



UNIVERSITI PUTRA MALAYSIA

***RELATIONSHIP BETWEEN PARENTAL ATTACHMENT, PARENTAL
DIFFERENTIAL TREATMENT, SIBLING RELATIONSHIP, PEER
ATTACHMENT AND POSITIVE WELL-BEING AMONG ADOLESCENTS
IN THE KLANG VALLEY, MALAYSIA***

KOGILAVANI A/P RAJENDRAN

FEM 2018 34



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IN THE KLANG VALLEY, MALAYSIA**

By

KOGILAVANI A/P RAJENDRAN

**Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia,
in Fulfillment of the Requirements for the Degree of Doctor of Philosophy**

March 2018

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Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfillment of the requirement for the degree of Doctor of Philosophy

RELATIONSHIP BETWEEN PARENTAL ATTACHMENT, PARENTAL DIFFERENTIAL TREATMENT, SIBLING RELATIONSHIP, PEER ATTACHMENT AND POSITIVE WELL-BEING AMONG ADOLESCENTS IN THE KLANG VALLEY, MALAYSIA

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March 2018

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The positive development view emphasizes the possibility of adolescents to follow a positive development based on strengths, positive qualities and favorable environments. Therefore identifying the protective factors that could affect positive well-being of adolescents is essential. The aim of the study is to examine the relationship between parental attachment, parental differential treatment, sibling relationship and peer attachment with positive adolescent well-being. The study also aims to examine the role of gender as moderator for links between parental attachment, parental differential treatment, sibling relationship and peer attachment with positive adolescent well-being. The study involves participation of 400 Form 1 students from government schools in the state of Kuala Lumpur and Selangor. Four instruments which are Positive Youth Development Scale, Inventory of Parent and Peer Attachment, Sibling Relationship Questionnaire and Inventory of Differential Experience were used in this study. The descriptive analysis showed that adolescents positive well-being was affected by parent's age, mother's years of education and family monthly income. Gender difference was found among girls and boys on positive well-being where girls had higher positive well-being compared to boys. The result also showed that there are six predictor variables contributing to adolescent positive well-being. The study also found that gender moderated the relationship between paternal attachment, maternal differential affection, paternal differential affection, paternal differential control, sibling relationship and peer attachment with adolescent positive well-being. This study shows the protective factors that could contribute to higher positive well-being among adolescents. The findings of the study is in line with the theories formed the theoretical framework of this study, whereby family and peer are important factors in shaping adolescents' positive well-being. This study had provided information on factors that can help adolescent's positive

development. Identifying these factors will provide insight on what events or experiences will reduce the likelihood of negative outcomes and increase the likelihood of positive outcomes. These information of contributing factors on adolescent positive well-being would provide opportunities to develop programs to help enhance positive development of adolescents in Malaysia.



Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Doktor Falsafah

HUBUNGAN DI ANTARA IKATAN KEIBUBAAPAN, PERBEZAAN LAYANAN IBUBAPA, HUBUNGAN ADIK BERADIK, KETERKAITAN RAKAN SEBAYA DAN KESEJAHTERAAN POSITIF ANAK REMAJA DI LEMBAH KLANG, MALAYSIA

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Perspektif perkembangan positif menekankan kemungkinan untuk remaja mengikuti perkembangan yang positif berdasarkan kekuatan, kualiti yang positif dan persekitaran yang menggalakkan. Oleh itu mengenal pasti faktor-faktor perlindungan yang boleh memberi kesan kepada kesejahteraan positif remaja adalah penting. Tujuan kajian ini adalah untuk mengkaji hubungan di antara ikatan keibubapaan, perbezaan layanan ibubapa, hubungan adik beradik & keterkaitan rakan sebaya dengan kesejahteraan positif anak remaja. Kajian ini juga bertujuan untuk mengkaji peranan jantina sebagai moderator untuk menghubungkan ikatan keibubapaan, perbezaan layanan ibubapa, hubungan adik beradik dan keterkaitan rakan sebaya dengan kesejahteraan positif remaja. Kajian ini dilakukan terhadap 400 pelajar Tingkatan 1 sekolah kerajaan di negeri Kuala Lumpur dan Selangor. Kajian ini menggunakan empat instrumen iaitu Skala Pembangunan Positif Belia, Inventori Ikatan Keibubapaan dan Rakan Sebaya, Soal Selidik Hubungan Adik Beradik dan Inventori Perbezaan Pengalaman. Analisis diskriptif menunjukkan bahawa kesejahteraan positif remaja adalah dipengaruhi oleh umur ibubapa, tahap pendidikan ibu dan pendapatan bulanan keluarga. Kesejahteraan positif juga didapati melalui perbezaan jantina di antara kanak-kanak perempuan dan kanak-kanak lelaki, di mana kanak-kanak perempuan mempunyai kesejahteraan positif lebih tinggi berbanding kanak-kanak lelaki. Kajian juga menunjukkan bahawa enam pembolehubah peramal menyumbang kepada kesejahteraan positif remaja. Kajian ini juga mendapati bahawa jantina menjadi moderator bagi hubungan di antara ikatan keibubapaan, perbezaan layanan ibubapa, hubungan adik beradik & keterkaitan rakan sebaya dengan kesejahteraan positif anak remaja. Kajian ini menunjukkan faktor pelindung yang boleh menyumbang kepada kesejahteraan positif yang tinggi di kalangan remaja. Dapatan kajian ini menyokong implikasi teori bahawa keluarga dan rakan sebaya adalah penting bagi kesejahteraan positif di kalangan remaja. Kajian ini telah menyediakan maklumat mengenai faktor-faktor yang boleh membantu perkembangan positif. Mengetahui faktor-faktor ini akan memberi gambaran apakah peristiwa atau pengalaman akan mengurangkan kemungkinan hasil negatif dan meningkatkan kemungkinan hasil positif. Maklumat ini mengenai faktor penyumbang positif kesejahteraan remaja yang akan memberi peluang untuk membangunkan program untuk membantu meningkatkan perkembangan positif remaja di Malaysia.

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This thesis was submitted to the Senate of the Universiti Putra Malaysia and has been accepted as fulfilment of the requirement for the degree of Doctor of Philosophy. The members of the Supervisory Committee were as follows:

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TABLE OF CONTENTS

	Page
ABSTRACT	i
ABSTRAK	iii
ACKNOWLEDGEMENT	iv
APPROVAL	v
DECLARATION	vii
LIST OF TABLES	xii
LIST OF FIGURES	xiv
LIST OF APPENDICES	xv
LIST OF ABBREVIATIONS	xvi
CHAPTER	
1 INTRODUCTION	1
1.1 Background of the Study	1
1.2 Problem Statement	3
1.3 Significance of the Study	5
1.4 Objective of the Study	6
1.5 Research Hypotheses	6
1.6 Theoretical Framework	7
1.7 Conceptual Framework	10
1.8 Definition of Terminology	12
1.8.1 Early Adolescence	12
1.8.2 Adolescent Positive Well-being	12
1.8.3 Maternal Attachment	12
1.8.4 Paternal Attachment	12
1.8.5 Parental Differential Treatment	13
1.8.6 Sibling Relationship	13
1.8.7 Peer Attachment	13
2 LITERATURE REVIEW	14
2.1 Adolescence	14
2.2 Adolescent Positive Well-being	15
2.2.1 Gender and Adolescent Positive Well-being	16
2.2.2 Parental Age and Adolescent Positive Well-being	17
2.2.3 Parental Years of Education and Adolescent Positive Well-being	17
2.2.4 Family Monthly Income and Adolescent Positive Well-being	17
2.3 Parental Attachment and Adolescent Positive Well-being	18
2.4 Parental Differential Treatment and Adolescent Positive Well-being	20
2.5 Sibling Relationship and Adolescent Well-being	22
2.6 Peer Attachment and Adolescent Well-being	24

2.7	Chapter Summary	27
3	METHODOLOGY	29
3.1	Research Design	29
3.2	Location and Population of the Study	29
3.3	Sampling Procedure	30
3.4	Measurement Tools	32
3.4.1	Adolescent Positive well-being	32
3.4.2	Parent and Peer Attachment	32
3.4.3	Parental Differential Treatment	33
3.4.4	Sibling Relationship	35
3.5	Translation	35
3.6	Reliability	35
3.7	Validity	36
3.8	Pilot Study	37
3.9	Testing Data Normality	37
3.10	Testing Multicollinearity	38
3.11	Data Collection Procedure	38
3.12	Statistical Analysis	39
4	FINDINGS AND DISCUSSION	41
4.1	Demographic Profile of Respondents	41
4.2	Descriptive Statistics of Main Variables	43
4.3	Findings of the Study	44
4.3.1	Relationship between Parents' Ages, Parental Years of Education and Family Monthly Income with Positive Adolescent Well-being	44
4.3.1.1	Relationship between Parental Age and Adolescent Positive Well-being	45
4.3.1.2	Relationship between Parental Years of Education and Adolescent Positive Well-being	45
4.3.1.3	Relationship between Family Monthly Income and Adolescent Positive Well-being	46
4.3.2	Associations between Gender and Adolescent Positive Well-being	47
4.3.3	Relationship between Independent Variables and Positive Adolescent Well-being	48
4.3.3.1	Parental Attachment and Adolescent Positive Well-being	50
4.3.3.2	Parental Differential Treatment and Adolescent Positive Well-being	51
4.3.3.3	Sibling Relationship and Adolescent Positive Well-being	53
4.3.3.4	Peer Attachment and Adolescent Positive Well-being	54
4.3.4	Contributing Factors of Positive Adolescent Well-being	56
4.3.5	Moderation role of Gender on the Relationship between the Independent Variables and Adolescent Positive Well-being	59

4.3.5.1	Moderation Role of Gender on the Relationship between Maternal Attachment and Adolescent Positive Well-being	59
4.3.5.2	Moderation Role of Gender on the Relationship between Paternal Attachment and Adolescent Positive Well-being	61
4.3.5.3	Moderation Role of Gender on the Relationship between Maternal Differential Affection and Adolescent Positive Well-being	63
4.3.5.4	Moderation Role of Gender on the Relationship between Paternal Differential Affection and Adolescent Positive Well-being	65
4.3.5.5	Moderation Role of Gender on the Relationship between Maternal Differential Control and Adolescent Positive Well-being	67
4.3.5.6	Moderation Role of Gender on the Relationship between Paternal Differential Control and Adolescent Positive Well-being	67
4.3.5.7	Moderation Role of Gender on the Relationship between Sibling Relationship and Adolescent Positive Well-being	69
4.3.5.8	Moderation Role of Gender on the Relationship between Peer Attachment and Adolescent Positive well-being	71
5	CONCLUSION	75
5.1	Summary of the Study	75
5.1.1	Objective 1	75
5.1.2	Objective 2	76
5.1.3	Objective 3	76
5.1.4	Objective 4	76
5.1.5	Objective 5	77
5.2	Implications of the Study	77
5.2.1	Theoretical Implications	77
5.2.2	Practical Implications	79
5.3	Limitations of the Study and Recommendations for Future Research	80
	REFERENCES	82
	APPENDICES	113
	BIODATA OF STUDENT	148
	LIST OF PUBLICATIONS	149

LIST OF TABLES

Table	Page
3.1 Reliability	36
3.2 Results of Confirmatory Factor Analysis (CFA)	37
3.3 Results of Data Normality	38
3.4 Results of Collinearity	38
4.1 Demographic Profile of Respondents	42
4.2 Descriptive Statistics of Study Variables	44
4.3 Correlations between Parental Age, Parental Years of Education and Family Monthly Income with Adolescent Positive Well-being	45
4.4 Independent Sample T-test on Gender and Adolescent Positive Well-being	48
4.5 Correlation between Parental Attachment, Parental Differential Treatment, Sibling Relationship, Peer Attachment and Adolescent Positive Well-being	49
4.6 Summary of Objective 3	56
4.7 Multiple Regression Analysis for Adolescent Positive Well-being	58
4.8 Interaction between Gender, Maternal Attachment and Adolescent Positive Well-being	60
4.9 Interaction between Gender, Paternal Attachment and Adolescent Positive Well-being	62
4.10 Interaction between Gender, Maternal Differential Affection and Adolescent Positive Well-being	65
4.11 Interaction between Gender, Paternal Differential Affection and Adolescent Positive Well-being	66
4.12 Interaction between Gender, Maternal Differential Control and Adolescent Positive Well-being	67
4.13 Interaction between Gender, Paternal Differential Affection and Adolescent Positive Well-being	69

4.14	Interaction between Gender, Sibling Relationship and Adolescent Positive Well-being	71
4.15	Interaction between Gender, Peer Attachment and Adolescent Positive Well-being	73
4.16	Summary of Objective 5	73



LIST OF FIGURES

Figure	Page
1.1 Theoretical Framework	8
1.2 Conceptual Framework	11
3.1 Sampling of Respondents	31
4.1 Interaction Plot for the Moderation Role of Gender on the Relationship between Paternal Attachment and Adolescent Positive Well-being	61
4.2 Interaction Plot for the Moderation Role of Gender on the Relationship between Maternal Differential Affection and Adolescent Positive Well-being	64
4.3 Interaction Plot for the Moderation Role of Gender on the Relationship between Paternal Differential Affection and Adolescent Positive Well-being	66
4.4 Interaction Plot for the Moderation Role of Gender on the Relationship between Paternal Differential Control and Adolescent Positive Well-being	68
4.5 Interaction Plot for the Moderation Role of Gender on the Relationship between Sibling Relationship and Adolescent Positive Well-being	70
4.6 Interaction Plot for the Moderation Role of Gender on the Relationship between Peer Attachment and Adolescent Positive Well-being	72

LIST OF APPENDICES

Appendix		Page
1	Questionnaire in English	114
2	Questionnaire in Malay	126
3	Permission to use Positive Youth Development Scale	141
4	Permission to use Inventory of Parent and Peer Attachment	142
5	Permission to use Sibling Inventory of Differential Experience	143
6	Permission to use Sibling Relationship Questionnaire	144
7	Approval Letter from JKEUPM	145
8	Approval Letter from Ministry of Education	146
9	Approval Letter from Education Ministry Wilayah Persekutuan Kuala Lumpur	147
10	Approval Letter from Education Ministry State of Selangor	148

LIST OF ABBREVIATIONS

n, N	Number of Respondents, Total Population
SD	Standard Deviation
SS	Sum of Squares
MS	Mean Squares
r	Correlation
R ²	Determination Coefficient
Adj R ²	Adjusted Determination Coefficient
SEE	Standard Error of Estimation
β	Beta
p	Significance

CHAPTER 1

INTRODUCTION

1.1 Background of the Study

The positive development approach provides an alternative view in the developmental literature in addressing the issue of risky and problematic behaviour (Lerner, Lerner, Lewin-Bizan, Bowers, Boyd, Mueller & Napolitano, 2011). This view emphasizes the possibility of adolescents following positive development based on their strengths, skills, and conducive environments. Adolescents who have positive development not only have less problematic behaviours but also show an expanded tendency to actively make contributions to their positive well-being (Lerner et al., 2011). Over the past two decades, this positive perspective on adolescent development has been reinforced (Geldhof, Bowers, Boyd, Mueller, Napolitano, Schmid & Lerner, 2013).

A study by Lee (2010) showed that the number of Malaysian adolescents having stress and depression increased from 13% in 1996 to 20.3% in 2006. Wong and Lua (2011) found the prevalence for mild anxiety and depression at 12.9% and 11.3% respectively in the year 2011. In addition, statistics from the Royal Malaysian Police revealed that 1.43% of 2010 disciplinary related offenses were recorded in schools (Unicef, 2011). Department of Statistics Malaysia (2016) have stated that adolescents involved in property related crimes were 36%, drugs were 29.7% and people related crimes were 13.4% in the year 2015.

These statistics above show high level of social problems involving adolescents in Malaysia which need to be given some attention. It is evident that adolescents in Malaysia are facing more emotional problems and falling into depression, anxiety, and aggression. One of the reasons could be the poor parenting factor that leads to such negative developments (Hoeve, Dubas, Eichelsheim, Laan, Smeenk & Gerris, 2009). Research has shown the importance of familial and social relationships on the positive development of adolescents (Youngblade, Theokas, Schulenberg, Curry, Huang, & Novak, 2007). It was found that number of positive familial and social characteristics are related to adolescent adjustment, self-esteem, academic success, social competence and lower levels of both externalizing and internalizing behaviors in adolescents. Having a positive development is essential as it would help adolescents lead meaningful and fulfilling lives to enhance what is best in themselves. Therefore it is important to identify the contributory factors that would lead to positive development of Malaysian adolescents.

In a comprehensive review of adolescent issues that take into account the risk factors, studies have found that early adolescence, defined as the period between 11-14 years of age which is extra tangible than the rest of this period as adolescents would

experience changes in their feelings, cognition and body at the same time (Lerner, 2005; Lerner & Steinberg, 2009; United Nations Children's Fund, 2011) and these changes are deemed to contribute to affecting the positive well-being of adolescents (Koepke & Denissen 2012; McElhaney & Allen 2012). Accordingly, it is observed that most psychological issues start before age 14 and they have increased in the recent two decades (United Nations Children's Fund, 2011). In addition, one of the adjustments that adolescents have to face during this period is the transition into middle school which oftentimes involves moving from smaller to larger school environments and disruptions in established peer and adult networks. In Malaysia, the transition from primary to secondary school occurs at the age of 13. The changes that occurs during this period can influence adolescents' positive well-being. Therefore this study focuses on the early adolescence period specifically on adolescents aged 13.

Parents are the most influential figures in the adolescent developmental process and evidence shows the family makes up an adolescent's predominant direct environment and that their influence remains crucial throughout childhood and into adolescence (Buckley & Schoppe-Sullivan, 2010; Nokali, Bachman & Votruba-Drzal, 2011). Studies have shown that problems related to relationships at home involving parents and siblings can be factors affecting the positive development of adolescents (Brogaard, 2016; Lim, Baharuddin & Tan, 2013; Williams & Steinberg, 2011). Warm, supportive and effective parenting is generally related to more positive outcomes in adolescents in terms of social and emotional competence, behavior, and academic achievements (Denham et al., 2009; Wise, 2003).

According to research, parental attachment (Gallarín & Alonso-Arbiol, 2012; Guinn, 2015) and parental differential treatment (Coldwell, Pike, & Dunn, 2008; Jenkins, Rasbah & O'Connor, 2003) can be influential factors for adolescent's positive well-being. It was found that strong parental attachment is related to adolescent's positive well-being (Brogaard, 2016; Williams & Steinberg, 2011). Studies have also found that adolescents who perceived their parents to respond positively would show higher positive well-being (Lim, Baharuddin & Tan, 2013; Restifo, Akse, Guzman, Benjamins & Dick, 2009). Perceived partiality may become problematic giving rise to jealousy and other negative emotions, which in turn would influence positive well-being of adolescents (Boyle, Jenkins, Georgiades, Duku, & Racine, 2004; Feinberg & Hetherington, 2001).

One of the most long-lasting relationships in one's life is sibling relationship. Warm, nurturing, and supportive sibling relationships play an crucial role in the development of adolescents' social and emotional competence as well as ability to resolve conflicts in a constructive manner (McHale, Updegraff & Whiteman, 2012). Research has begun to examine sibling relationships and the influence it has on development and the life span (Conger & Little, 2010).

Social factors such as peer interaction is also seen as a factor that could affect the positive development of adolescents (Lim, Baharuddin & Tan, 2013; Strohmeier, Fandrem & Spiel, 2012). This is mainly because the friendships gradually deepen in terms of the level of intimacy, acceptance, trust, and commitment during adolescence (Pitman & Scharfe, 2010; Schnyders, 2012). Peer relationships is both a unique and important predictor adolescent adjustments (Kingery, Erdley, Marshall, Whitaker & Reuter, 2010; Parker, Rubin, Erath, Wojslawowicz & Buskirk, 2006). Study have found that adolescent's depressive symptoms are associated with less intimacy and warmth in the relationship, and negative feedback-seeking among close friendships. (Borelli & Prinstein 2006; Burk & Laursen 2005). Having supportive and close relationship with peers are seen to be important for adolescent positive well-being.

Studies have found existence of gender difference in adolescent positive well-being among boys and girls (Davis, 2000; Gross, 2014; Lansford, Skinner, Sorbring, et al., 2012) and that girls have better adaptation capabilities compared to boys and have fewer behavioural problems (Babinski, Sibley, Ross & Pelham, 2013; Garaigordobil, Maganto, Perez & Sansinenea, 2009). Gender is also seen as a potential moderator for adolescent positive well-being (Albert, 2003).

It is essential to identify factors that may influence positive development (well-being) of early adolescents to ensure that they are given proper guidance to lead a better accomplished life that would facilitate a successful transition from childhood through adolescence and into adulthood. Therefore, in this study, the aim is to determine predictors of adolescent positive well-being. In addition, the study explores the moderation role of gender on the relationship between the dependent variable (adolescents positive well-being) and independent variables (parental attachment, parental differential treatment, sibling relationship and peer attachment).

1.2 Problem Statement

A vast array of research have been conducted on adolescent positive well-being, however there are still number of research gaps that need to be filled. Firstly, most research conducted on parent adolescent relationships are either parents as a whole or focus on either parent (Hamzah, Suandi, Hamzah & Tamam, 2014; Sandhu, 2014). Mothers and fathers play different roles in raising their children (Gezova, 2015). Hence, identifying the influence of maternal and paternal attachments independently will provide deeper understanding of parental involvement on adolescent positive well-being.

Secondly, differential parental treatment being an important factor for adolescents' positive well-being, have mostly been conducted in western countries (Hart & Legerstee 2010; Meunier, Bisceglia & Jenkins, 2012) and there are not many in the Asian context. Based on the few studies that have been conducted in the Asian countries (eg; Maes, 2009; Ng, Mofrad & Uba, 2014), the result showed contradicting result with western studies where no significant relationship between differential treatment and positive well-being was found. Studying the influence of parental

differential treatment in the Malaysian context would provide an understanding of whether adolescents' positive well-being can be affected by the perception of differential treatment of parents towards their children. This would provide a better understanding of the family process in Malaysia.

Sibling relationships and peer attachment are also seen as influential factors on adolescent development however, most of the past research have focused on negative outcomes and positive development is for the most part neglected (Feinberg, Sakuma, Hostetler & McHale, 2013; Finan, 2016; Giletta, Scholte, Prinstein, Engels, Rabaqlietti & Burk, 2012; Gorrese, 2016). In order to promote healthy family and societal functioning, preventing health risk behaviors such as substance abuse and fostering the psychological health and social competence of adolescents, it is important to strengthening sibling and peer relationships (Feinberg et al., 2013). Hence, this study examines the importance of sibling relationship and peer attachment on the positive development of adolescents.

In the positive youth development framework, gender differences is seen as a factor that could influence adolescent's positive well-being. Gender differences are significant in the studies that have been conducted (Gross, 2014; Lansford, Skinner, Sorbring, et al., 2012; Lerner, 2005). Moreover, research have found that gender can be an important moderator of the relationship between familial and social relationships and adolescent positive well-being (Albert, 2003). However, empirical findings to date have been inconsistent and contradictory with regard to the specific role gender plays in adolescent positive well-being (Albert, 2003; Conger, Williams, Little, Masyn & Shebloski, 2009). Thus, this study examines gender as a moderation factor for the relationship between parental attachment, parental differential treatment, sibling relationships and peer attachment on adolescent positive well-being.

Research is still needed to assess outcomes on adolescent positive well-being not only from the standpoint of the absence of problems but also taking into account positive indicators of well-being (Pace & Zappulla, 2009). Thus, it is essential to identify the indicators for positive well-being and based on the research gaps mentioned above, this study identified factors that may contribute to the positive well-being of adolescents. It aimed to address the following questions:

1. What are the factors that can contribute to adolescent positive well-being?
2. Does gender moderate relationships between parental attachment, parental differential treatment, sibling relationships and peer attachment with adolescent positive well-being?

1.3 Significance of the Study

Identifying the predictive factors of adolescent positive well-being will provide insight on what events or experiences that will reduce the probability of negative outcomes and increase the likelihood of positive outcomes, and ultimately clarify the factors required to implement an effective adolescent development program.

The findings of the study would also be useful in providing information on the relationship between family interaction and adolescent positive development. Parental differential treatment has been found to affect the relationship between siblings which is also related to the level of adjustment of adolescents in western countries. Identifying the influence of parental differential treatment in the Malaysian context will provide information on whether it is a factor that needs to be acknowledged in promoting positive adolescent well-being.

This study will be informative for parents to understand importance of positive relationship with children to have better development prospects. This research may provide awareness on the relationship between adolescents, parents, siblings, and peers on their development. This would provide opportunities to conduct positive development programmes that would enhance the positive well-being of adolescents in the future.

The findings of the study can also be used as potential input for social work and assist other professionals. Social workers and other helping professionals usually work with and also assist individuals and families. Therefore, it is important that they better understand the ways in which parents, siblings and peers can influence adolescents' positive well-being. It is essential for us to also understand how differential parenting is related to unproductive parenting, and the degree to which the parenting behaviour can be changed. Knowing this will allow social workers to work with families in a much more appropriate manner and develop the skills necessary to understand the problem and help parents deal with them.

Lastly, it is hoped that this study on differential parental treatment is also significant for future studies. This area of research has captured the interest of researchers for decades although not many have been conducted in the Asian context (Maes, 2009; Ng, Mofrad & Uba, 2014) as most studies were conducted in western countries (Daniels & Plomin, 1985; Kothari, 2011). Cultural difference may be an important factor influencing how parenting is conducted. Differential parenting studies gives us the opportunity to understand the differences within family processes.

1.4 Objective of the Study

This study aims to examine the factors that would contribute to adolescence positive well-being. The specific objectives are as follows:

1. To examine the relationship between parental age, parental years of education and family monthly income with adolescent positive well-being.
2. To determine the differences in positive well-being between genders (male, female).
3. To determine the relationship between parental attachment, parental differential treatment, sibling relationships, and peer attachment with positive adolescent well-being.
4. To determine the contributing factors of adolescent positive well-being.
5. To determine the moderation role of gender on the relationships between parental attachment, parental differential treatment, sibling relationships and peer attachment with positive adolescent well-being.

1.5 Research Hypotheses

Based on the literature review and research objectives, the alternative hypotheses were constructed. The alternative hypotheses for objective 4 are as follows:

- Ha1: Secure maternal attachment is significantly related to high adolescent positive well-being.
- Ha2: Secure paternal attachment is significantly related to high adolescent positive well-being.
- Ha3: High maternal differential affection is significantly related to high adolescent positive well-being.
- Ha4: High paternal differential affection is significantly related to high adolescent positive well-being.
- Ha5: High maternal differential control is significantly related to low adolescent positive well-being.
- Ha6: High paternal differential control is significantly related to low adolescent positive well-being.
- Ha7: Strong sibling relationship is significantly related to high adolescent positive well-being.
- Ha8: Secure peer attachment is significantly related to high adolescent positive well-being.

The alternative hypotheses for objective 5 is as follows:

Ha9: Maternal attachment, paternal attachment, maternal differential affection, paternal differential affection, maternal differential control, paternal differential control, sibling relationship and peer attachment are significant predictors of adolescent positive well-being.

The alternative hypotheses for objective 6 are as follows:

Ha10: Gender significantly moderates the relationship between maternal attachment and adolescent positive well-being.

Ha11: Gender significantly moderates the relationship between paternal attachment and adolescent positive well-being.

Ha12: Gender significantly moderates the relationship between maternal differential affection and adolescent positive well-being.

Ha13: Gender significantly moderates the relationship between paternal differential affection and adolescent positive well-being.

Ha14: Gender significantly moderates the relationship between maternal differential control and adolescent positive well-being.

Ha15: Gender significantly moderates the relationship between paternal differential control and adolescent positive well-being.

Ha16: Gender significantly moderates the relationship between sibling warmth and adolescent positive well-being.

Ha17: Gender significantly moderates the relationship between peer relationship and adolescent positive well-being.

1.6 Theoretical Framework

This section discusses the main theoretical framework that guides this study (Figure 1.1). The Positive Youth Development Framework, Family System Theory, and Attachment Theory provides a basic theoretical foundation for this study. The aim of positive youth development framework is to enhance and sustain the effective, healthy development of young people (Benson, Scales, Hamilton, Sesma, Hong & Roehlkepartain, 2006).

Positive Youth Development Framework believed that the core tenet of positive development is to recognizing the low risk negative behavior and negative societal factors are a part of healthy youth development (Benson et al., 2006; Silbereisen & Lerner, 2007; Lerner, Lerner, Almerigi, Theokas, Phelps, Gestsdottir, Naudeau, Jelicic, Alberts & Ma, 2005). The Positive Youth Development Framework is operationalised by the 5C's (caring, competence, character, connection and confidence) (Lerner et al., 2005) which is the outcome that represents the positive development and well-being of an individual.

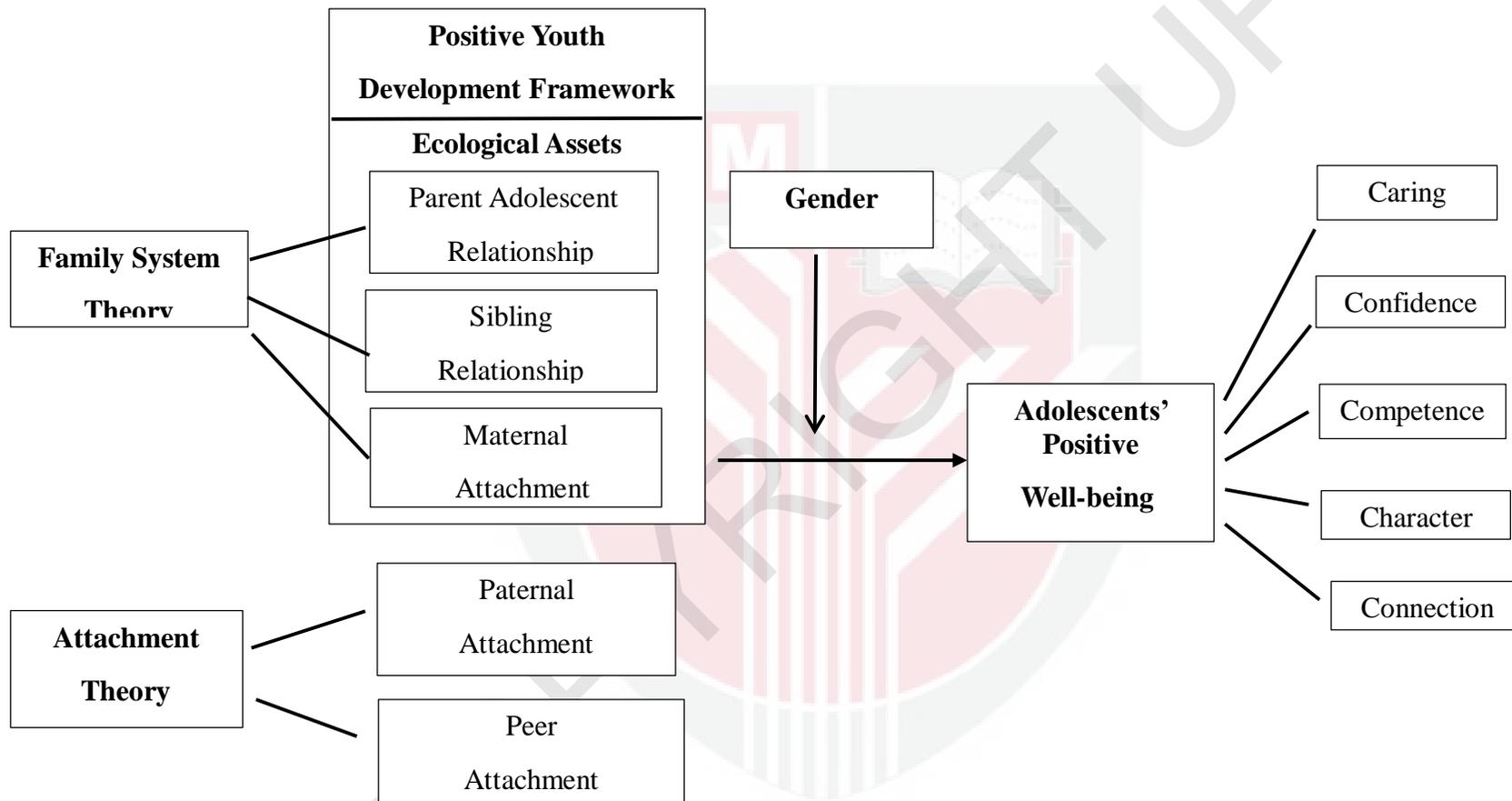


Figure 1.1 : Theoretical Framework

Physical, social, and emotional developments occur during adolescence. It is the process through which adolescents develop emotional, social, and cognitive skills and abilities required to navigate life (Almquist, Brekke, Croymans, Fruechte, Matlack, McAndrews, Morreim, Ogg-Graybill, Piehl, Walker, & Zurche, 2015). According to the positive youth development view, it is important to help adolescents achieve their full potential to prevent them from engaging in problematic or risky behaviours (Almquist et al., 2015).

In addition to individual characteristics, factors that can contribute to adolescent positive well-being are the influences gained from people surrounding them such as parents, siblings, and peers which is known as the ecological asset in the positive youth development framework. Family and peers are seen as protective factors that can influence adolescents' positive well-being (Benson, Scales, Hamilton & Sesma, 2007). Therefore recognizing parental, sibling, and peer relationships and their influence on adolescent positive well-being is important for adolescents' positive developmental (Bornstein, Davidson, Keyes & Moore, 2003). Family System Theory and Attachment Theory helps to provide a better understanding on the role family and peers plays in influencing adolescents' positive well-being.

In the positive youth development framework, gender difference is seen as a factor that could affect adolescent positive well-being and is significant in the studies that have been conducted (Lerner, 2005). Girls are reported to have higher positive youth development and lower risk behaviours. Furthermore, research have found that gender can be an important moderator of the relationship between familial and social relationships and adolescent positive well-being (Albert, 2003). Gender differences in their daily activities and relationships with others may influence their positive well-being. Therefore, this study takes into account gender as a moderating variable to analyze if it has any role in the relationship between adolescent positive well-being with parental attachment, parental differential treatment, sibling relationships, and peer attachment.

The Family System Theory provides information that it is necessary to study family relationships as well as the process that play within these relationships. Family is known as a system comprising interrelated elements and they have regular interactions (Morgaine, 2001). The Family System Theory views family as a structure of related parts or subsystems (Strong, DeVault & Cohen, 2008). This study focuses on the parent-child and sibling subsystems which provides the information and understanding of dynamics between parents-adolescents and siblings relationships.

The elements of the system are the members of the family and there is a predictable pattern of interaction that emerges in it (Morgaine, 2001). Each action of the members would affect other persons in the family. Family exerts a powerful influence on the behaviour and feelings of a person. Family members are mutually influential as they share physical and emotional closeness. The family system theory is useful in examining and interpreting the complex interactions that exist within families. An

individual's action or behaviour is usually caused by multiple different factors and also the outcome of interactions among family members (Morgaine, 2001).

The Attachment Theory presented by Bowlby (1982) states that attachment with parents and peers can sufficiently influence the well-being of adolescents. Howard and Medway (2004) illustrated that attachments and close relationship may be relevant in understanding the well-being of adolescents. An attachment behaviour is defined as any kind of behaviour that is performed by a person achieving an intended proximity to an identified individual whom the one sees as better able to cope with the world (Becker-Weidman, 2009). Adolescents who have strong attachments with parents and peers tend to report better well-being (Furnivall, 2011).

In summary, a theoretical framework is presented (Figure 1.1) based on the three theories discussed above (Positive Youth Development Framework, Family System Theory and Attachment Theory). Parent child subsystem and sibling subsystem of the Family System Theory provides the understanding of the relationships and process that plays between these relationships. Attachment Theory provides the understanding on the level of attachment between parents and peers can influence adolescents' positive well-being. Family and peers are seen as ecological development assets in the Positive Youth Development Framework that influences positive development of adolescents which comprised of the 5C's (caring, competence, character, connection and confidence).

1.7 Conceptual Framework

The conceptual framework of this study is based on the Positive Youth Development Framework, Family System Theory, and Attachment Theory. The Positive Youth Development Framework states that recognizing low risk negative behaviours are a part of healthy adolescent development (Benson et al., 2006; Lerner et al., 2011; Silbereisen & Lerner, 2007). The Family System Theory provides an understanding of the parent-child and sibling subsystems and how they contribute to adolescent positive well-being (Strong, DeVault & Cohen, 2008). The core idea of the Attachment Theory (Bowlby, 1982) emphasizes that the attachments with parents and peers can be contributing factors for positive well-being. Therefore, in this study, parental attachment, parental differential treatment, sibling relationships, and peer attachment are postulated to contribute to positive adolescent well-being. This study also examines the moderation role of gender on such relationships.

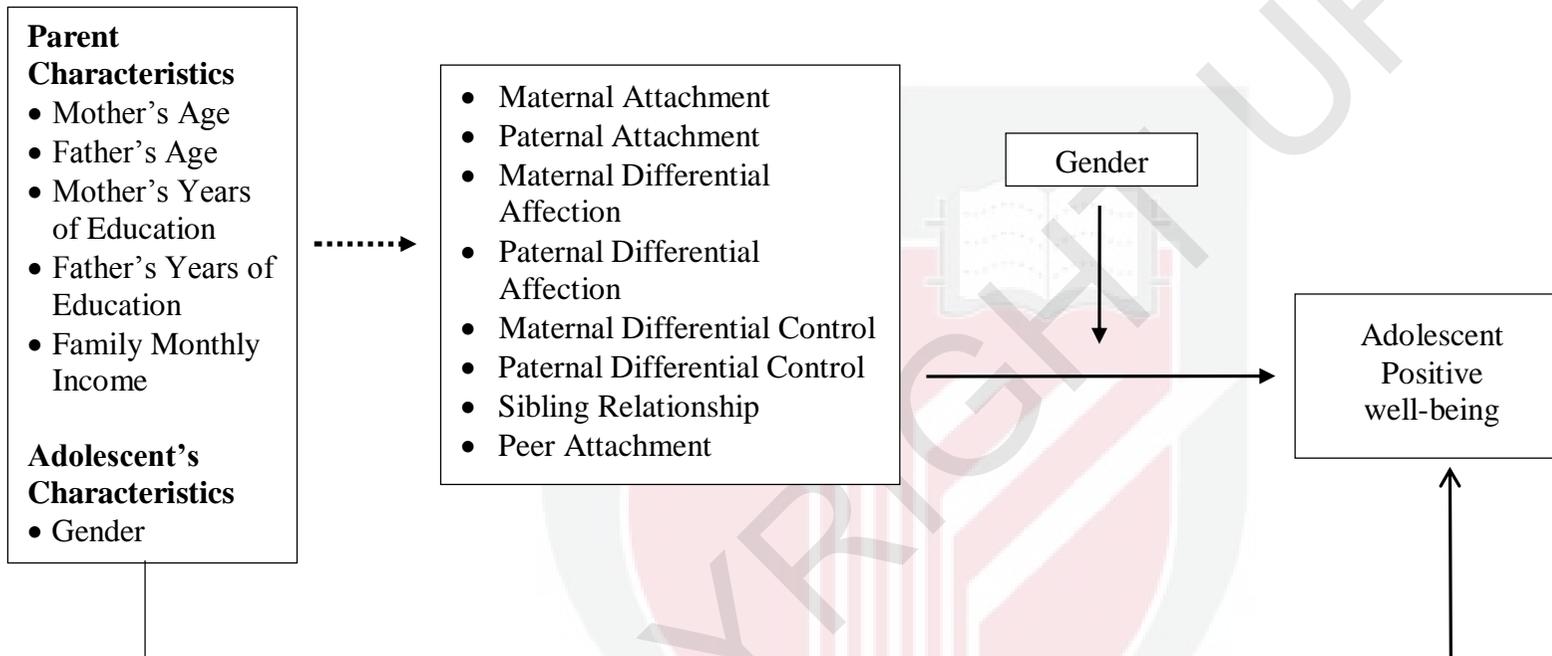


Figure 1.2 : Conceptual Framework

1.8 Definition of Terminology

1.8.1 Early Adolescence

Conceptually: Adolescence is a period in which it links between childhood and adulthood. It begins with biological, cognitive and emotional changes and ends with social transformation (Lerner, 2005). Early adolescence refers to the ages between eleven to fourteen years old (Lerner & Steinberg, 2009)

Operationally: Adolescents' who resides with both parents who has at least one sibling were selected from public school in the central region covering the 13-year-old age group in the Federal Territory of Kuala Lumpur and the state of Selangor.

1.8.2 Adolescent Positive Well-being

Conceptually: Adolescent positive well-being is described as a result of unified effects of the five components of Positive Youth development, which are, confidence, competence, connection, caring, and character (Lerner et al., 2005).

Operationally: Adolescent positive well-being is operationally defined as the scores of respondents on the Positive Youth Development Scale (Lerner, 2005). This scale demonstrates a comprehensive perspective of youth psychosocial well-being with higher scores associated with higher positive well-being.

1.8.3 Maternal Attachment

Conceptually: A relational bond existing between a mother and child is referred as a maternal attachment (Armsden & Greenberg, 1987). The levels of trust, communication, and alienation represent the presence of maternal attachment

Operationally: Maternal attachment is scored based on respondents' scores on the Inventory of Parent and Peer Attachment (IPPA). The scale measures attachment relationship between adolescents and their mothers. Higher scores on the IPPA mother scale indicate greater attachment security with the mother.

1.8.4 Paternal Attachment

Conceptually: A relational bond that exists between a father and child is referred as a paternal attachment (Armsden & Greenberg, 1987). The paternal attachment is produced through a sense of security and safety of the adolescents derived from the acts of the fathers.

Operationally: Paternal attachment is score based on the scores of respondents on the Inventory of Parent and Peer Attachment (IPPA) which measures an attachment relationship between adolescents and their fathers. Higher scores on the father scale of the IPPA indicate greater attachment security with the father.

1.8.5 Parental Differential Treatment

Conceptually: Parental differential treatment (PDT) is defined as the unequal treatment of siblings by parents (Daniels & Plomins, 1985).

Operationally: Based on respondents' scores on the Sibling Inventory of Differential Experience (Daniels & Plomins, 1985) which indicates the respondent's perceived differential treatment of parents towards their children. A higher score for differential affection indicates the individual perceive to receive more affection from parents compared to their sibling while that for differential control indicates the individual perceive to be controlled more by their parents compared to their sibling.

1.8.6 Sibling Relationship

Conceptually: Sibling relationship is a term defining the degree of affection and companionship shared by siblings. Young adolescents often provide one another with warmth and support during this period of development (Buhmester & Furman, 1990).

Operationally: Sibling relationship is operationally defined as respondents' scores on the Sibling Relationship Questionnaire (Furman & Buhrmester, 1985) with high scores demonstrating strong sibling relationships.

1.8.7 Peer Attachment

Conceptually: Peer attachment refers to the endurance of an emotional attachment bond with peers which is external to a family relationship. Proximity and time investments are the basic factors that contribute to the establishment of a peer attachment and are articulated through alienation, changing levels of trust, and communication. A relational bond that is qualified between the persons of an equal relational upright is known as a peer attachment (Nickerson & Nagle, 2005).

Operationally: Based on respondents' scores on the Inventory of Parent and Peer Attachment (IPPA) (Armsden & Greenberg, 1987) which measures an attachment relationship between adolescents and their peers, peer attachment is measured. Higher scores on a peer scale of IPPA indicate greater attachment security with peers.

REFERENCES

- Aiken, L. S., & West, S. G. (1991). *Multiple regression: Testing and interpreting interactions*. Thousand Oaks, CA: Sage.
- Ainsworth, M.D. (1989). Attachments beyond infancy. *American Psychologist*, 44, 709-716
- Ahmad, N. F. & Paim, L. (2012). A Comparative Study in Well Being Among Malaysian Households. 16th National Malaysia Consumer and Family Economic Association. Retrieved from https://www.academia.edu/12620255/A_Comparative_Study_in_Well-Being_Among_Malaysian_Households?auto=download
- Albert, A. S. B. (2003). Parental and peer support as predictors of depression and self esteem among late adolescents: An attachment theory perspective. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/305324168/fulltextPDF/B577EA29F8DA4F42PQ/1?accountid=28930>
- Alegre, A., & Benson, M. J. (2010). Parental Behaviors and Adolescent Adjustment: Mediation via Adolescent Trait Emotional Intelligence. *Individual Difference Research*, 8(2), 83-96.
- Alkema, N.L. (2013). Associations between sibling relationship quality and emotional competence in middle childhood. Retrieved from <https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&uact=8&ved=0ahUKEwjYgZbJ4JLXAhVDKpQKHTxVDYMQFggzM AE&url=http%3A%2F%2Fcsus-dspace.calstate.edu%2Fbitstream%2Fhandle%2F10211.9%2F2248%2FNALKEMA8FINAL.docx%3Fsequence%3D1&usg=AOvVaw34n-W70kq0X9kLl9xekWqc>
- Allen, J. P., & Miga, E.M. (2010). Attachment in adolescence: A move to the level of emotion regulation. *Journal of Social and Personal Relations*, 27(2), 181-190.
- Allen, S. F., & Stoltenberg, C. D. (1995). Psychological separation of older adolescents and young adults from their parents: An investigation of gender differences. *Journal of Counseling and Development*, 73, 542.
- Almquist, P., Brekke, B., Croymans, S. R., Fruechte, K., Matlack, M., McAndrews, B., Morreim P., Ogg-Graybill, J., Piehl, B., Walker, J., & Zurcher, T. (2015). Keys to quality youth development, Regents of the University of Minnesota: University of Minnesota Extension. Retrieved from <http://www.extension.umn.edu/youth/research/keys-to-quality-youth-development>

- American Academy of Pediatrics. (2015). Stages of Adolescence. Retrieved from <https://www.healthychildren.org/English/ages-stages/teen/Pages/Stages-of-Adolescence.aspx>
- Anderson, E. R., Hetherington, E. M., Reiss, D., & Howe, G. (1994). Parents' nonshared treatment of siblings and the development of social competence during adolescence. *Journal of Family Psychology*, 8(3), 303-320.
- Anthony, E. K., & Stone, S. I. (2010). Individual and contextual correlated of adolescent health and well-being. *Families in Society*, 91, 225–233.
- Armsden, G. C., & Greenberg, M. T. (1987). The Inventory of Parent and Peer Attachment: Relationships to well-being in adolescence. *Journal of Youth and Adolescence*, 16 (5), 427-454.
- Armstrong, M. I., Birnie-Lefcovitch, S., & Ungar, M. T. (2005). Pathways between social support, family well being, quality of parenting, and child resilience: What we know. *Journal of Child and Family Studies*, 14(2), 269–281.
- Arsenio, W. F., & Lemerise, E. A. (2004). Aggression and moral development: intergrating social information processing and moral domain models. *Child Development*, 75(4), 987-1002.
- Ary, D., Jacobs, L., Sorensen, C., & Walker, D. (2013). Introduction to reasearch in Education. Retrieved from <http://www.modares.ac.ir/uploads/Agr.Oth.Lib.12.pdf>
- Atzaba-Poria, N., & Pike, A. (2008). Correlates of parental differential treatment: parental and contextual factors during middle childhood. *Child Development*, 79(1), 217-232.
- Aufseeser, D., Jekielek, S., & Brown, B. (2006). The family environment and adolescent well-being: exposure to positive and negative family influences. Retrieved from <http://nahic.ucsf.edu/downloads/FamEnvironBrief.pdf>
- Aunola, K., Stattin, H., & Nurmi, J. E. (2000). Parenting styles and adolescents' achievement strategies. *Journal of Adolescence*, 23, 205–222.
- Babinski, D. E., Sibley, M. H., Ross, J. M., & Pelham, W. E. (2013). The effects of single versus mixed gender treatment for adolescent girls with ADHD. *Journal of Chilnical Child and Adolscent Psychology*, 42(2), 243-250.
- Baharudin, R., & Keshavarz, S. (2009). Parenting style in a collectivist culture of Malaysia. *European Journal of Social Sciences*, 10(1).
- Bakken, L., & Romig, C. (1992). Interpersonal needs in middle adolescents: Companionship, leadership, and intimacy. *Journal of Adolescence*, 15, 301-316.

- Barnes, G. M., Hoffman, J. H., Welte, J. W., Farrell, M. P., & Dintcheff, B. A. (2006). Effects of parental monitoring and peer deviance on substance use and delinquency. *Journal of Marriage and Family*, 68(4), 1084–1104.
- Basic Demographic Characteristic Report. (2010). Retrieved from https://web.archive.org/web/20130205104835/http://www.statistics.gov.my/portal/download_Population/files/census2010/Taburan_Penduduk_dan_Ciri-ciri_Asas_Demografi.pdf
- Baumrind, D. (1996). The discipline controversy revisited. *Family Relation*, 45, 405–414
- Becker-Weidman, A. (2009). The four patterns of Attachment in Children. Retrieved from <https://www.goodtherapy.org/blog/patterns-of-attachment/>
- Benson, P. L., Scales, P. C., Hamilton, S. F., & Sesma Jr, A. (2007). Positive youth development: Theory, research, and applications. Retrieved from <https://fyi.uwex.edu/youthadultpartnership/files/2015/08/Positive-Youth-Development.pdf>
- Benton, J. (2017). Examining the association between emotional availability and mindful parenting. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/1916010618/fulltextPDF/95D68B7691AA4B16PQ/1?accountid=28930>
- Begue, L. (2005). Self esteem Regulation in Threatening Social Comparison: The Roles of Belief in a Just World and Self Efficacy. *Social Behaviour and Personality*, 33(1), 69-76.
- Benson, P. L., Scales, P. C., Hamilton, S. L., Sesma, A., Jr., Hong, K. L., & Roehlkepartain, E. C. (2006). Positive youth development so far: Core hypotheses and their implications for policy and practice. *Search Institute Insights and Evidence*, 3, 1–13.
- Bhowmick, B. N. (2017). Why siblings are our first friends. *The Times of India*. Retrieved from <https://blogs.timesofindia.indiatimes.com/life-n-style/why-siblings-are-our-first-friends/>
- Boisvert, D., & Wright, J. P. (2008). Nonshared Environmental Influences on Sibling Differences in Externalising Problem Behavior. *Criminal Justice and Behavior*. Retrieved from <http://cjb.sagepub.com/content/35/7/863.full.pdf+html>
- Borello, A. (2005). Subjective well-being and academic success among college students. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/305361269/fulltextPDF/4E99038DFE854445PQ/2?accountid=28930>

- Borelli, J. L., & Prinstein, M. J. (2006). Reciprocal, longitudinal associations among adolescents' negative feedback-seeking, depressive symptoms, and peer relations. *Journal of Abnormal Child Psychology*, 34, 154–164.
- Bornstein, H. H., Davidson, L., Keyes, C. M., Moore, K., & The Center for Child Well-Being (Eds.). (2003). Book review: Well-being: Positive development across the life course. Retrieved from <http://onlinelibrary.wiley.com/doi/10.1002/icd.359/pdf>
- Bowlby, J. (1977). The making and breaking of affectional bonds. I. Aetiology and psychopathology in the light of attachment theory. *British Journal of Psychiatry*, 130, 201-210
- Bowlby, J. (1982). *Attachment and Loss*. Vol. 1. Attachment (2nd ed.). Retrieved from <http://www.abebe.org.br/wp-content/uploads/John-Bowlby-Attachment-Second-Edition-Attachment-and-Loss-Series-Vol-1-1983.pdf>
- Boyd, R. C. (2014). Sibling relationship quality, personality and happiness. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/1545714040/fulltextPDF/6E984D41CB4B4388PQ/1?accountid=28930>
- Boyle, M. H., Jenkins, J. M., Georgiades, K., Cairney, J., Duku, E., & Racine, Y. (2004). Differential maternal parenting behavior: estimating within- and between- family efficacy on children. *Child Development*, 75(5), 1457-1476.
- Bretherton, I., Lambert, J., & Golby, B. (2005). Involved fathers of preschool children as seen by themselves and their wives: Accounts of attachment, socialization, and companionship. *Attachment & Human Development*, 7, 229–251.
- Brody, G. H. (1998). Sibling relationship quality: Its causes and consequences. *Annual Review of Psychology*, 49, 1-24
- Brody, G., Stoneman, Z., & McCoy, J. (1994). Forecasting sibling relationships in early adolescence from child temperaments and family processes in middle childhood. *Child Development*, 65, 771-784.
- Brogaard, B. (2016). Parental attachment problems. Retrieved from <https://www.psychologytoday.com/blog/the-mysteries-love/201611/parental-attachment-problems>
- Brumariu, L. E., & Kerns, K. A. (2010). Parent–child attachment and internalizing symptoms in childhood and adolescence: A review of empirical findings and future direction. *Development and Psychopathology*, 22, 177–203.
- Buckley, C. K., & Schoppe-Sullivan, S.J. (2010). Father involvement and coparenting behavior: Parents' nontraditional beliefs and family status as moderators. *Journal of the International Association for Relationship Research*, 17, 413-431

- Bugental, D. B., & Johnston, C. (2000). Parental and child cognitions in the context of the family. *Annual Review of Psychology*, 51: 315-344
- Buhrmester, D., & Furman, W. (1990). Perceptions of sibling relationships during middle childhood and adolescence. *Child Development*, 61, 1387-1398.
- Buhrmester, D., & Furman, W. (1990). Perceptions of sibling relationships during middle childhood and adolescence. *Child Development*, 61, 1387-1396.
- Buist, K. L., Deković, M., & Prinzie, P. (2012). Sibling Closeness and Psychopathology of Children and Adolescents: A Meta-analysis. *Clinical Psychology Review*, 33, 97-106.
- Burk, W. J., & Laursen, B. (2005). Adolescent perceptions of friendship and their associations with individual adjustment. *International Journal of Behavioral Development*, 29, 156–164.
- Burton, L. M., & Jarrett, R. L., (2000). In the mix, yet on the margins: The place of families in urban neighborhood and child development research. *Journal of Marriage and Family*, 62(4), 1114-1135.
- Cabrera, N., Tamis-LeMonda, C. S., Bradley, R. H., Hofferth, S., & Lamb, M. E. (2000). Fatherhood in the twenty-first century. *Child Development*, 71(1), 127–136.
- Cacioppo, M., Pace, U., & Zappulla, C. (2012). Parental psychological control, quality of family context and life satisfaction among Italian adolescents. *Child Indicators Research*. 6(1): 179-191
- Catalano, R. F. et al. (2004) Positive Youth Development in the United States: Research Findings on Evaluations of Positive Youth Development Programs. *The ANNALS of the American Academy of Political and Social Science*, 591, 98 - 124.
- Chamaria, V. (2016). Indian culture: Traditions, religions, festivals, music, dance, clothing, food, movies. Important India. Retrieved from <http://www.importantindia.com/22810/11-indian-culture/>
- Chandler, K., Nord, C., Lennon, J., & Liu, B. (1999). Statistics in brief: Home literacy activities & signs of children's emerging literacy, 1993 and 1999. Retrieved from <https://nces.ed.gov/pubs2000/2000026.pdf>
- Chen, B. B. (2012). The association between self-reported mother–child attachment and social initiative and withdrawal in Chinese school-aged children. *The Journal of Genetic Psychology*, 173, 279–301.

- Chen, B.-B., & Santo, J. B. (2015). The relationships between shyness and unsociability and peer difficulties: The moderating role of insecure attachment. *International Journal of Behavioral Development*, 40 (4), 346-358.
- Chen, Y. L. (2007) . Factors influencing internet use in teaching English: A study of EFL teachers in Northern Taiwanese higher education institutions. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/305305744/fulltextPDF/866D3C9744B649D5PQ/1?accountid=28930>
- Child Trends. (2002). Charting Parenthood: A Statistical Portrait of Fathers and Mothers in America. Child Trends. Retrieved from <http://www.childtrends.org/PDF/ParenthoodRpt2002.pdf>
- Child Trends Databank. (2016). Binge Drinking. Retrieved from https://www.childtrends.org/wp-content/uploads/2016/08/02_Binge_Drinking-1.pdf
- Child Trends Databank. (2016). Daily Cigarette Use. Retrieved from https://www.childtrends.org/wp-content/uploads/2016/12/03_Smoking.pdf
- Child Trends Databank. (2015). Parental education. Retrieved from https://www.childtrends.org/wp-content/uploads/2015/12/67-Parental_Education.pdf
- Child Trends Databank. (2015). Volunteering. Retrieved from https://www.childtrends.org/wp-content/uploads/2012/11/20_Volunteering.pdf
- Choi, Y., Harachi, T., Gillmore, M., & Catalano, R. (2005). Applicability of the social development model to urban ethnic minority youth: Examining the relationship between external constraints, family socialization, and problem behaviors. *Journal of Research on Adolescence*, 15(4), 505–534.
- Chua, Y. P. (2006). Kaedah dan statistik penyelidikan. *Kaedah Pendidikan*. Retrieved from https://www.researchgate.net/publication/277010216_Kaedah_dan_Statistik_Penyelidikan_Kaedah_Penyelidikan
- Cinandro, J. (2011). Male and female differences in communicating conflict. Retrieved from https://www.coastal.edu/media/administration/honorsprogram/pdf/Cinardo_Communication.pdf
- Cleveland, M. J., Feinberg, M. E., Bontempo, D. E., & Greenberg, M. T. (2008). The role of risk and protective factors in substance use across adolescence. *Journal of Adolescent Health*, 43, 157.

- Creswell, J. W. (2014). *Research Design: Qualitative, Quantitative and Mixed Methods Approaches*. California: Sage Publications.
- Cohen, J. (1992). Quantitative methods in psychology: A power primer. *Psychological Bulletin*, 112(1), 155-159.
- Coldwell, J., Pike, A., & Dunn, J. (2008). Maternal Differential Treatment and Child Adjustment: A Multi-informant Approach. Retrieved from <http://ezproxy.upm.edu.my:2148/ehost/pdfviewer/pdfviewer?vid=3&hid=113&sid=a2551efd-3d68-4279-b718-eac8f0d373e3%40sessionmgr112>
- Conger, K. J., & Conger, R. D. (1994). Differential Parenting and Change in Sibling Differences in Delinquency. *Journal of Family Psychology*, 8(3), 287-302.
- Conger, R. D., Conger, K. J. & Martin, M. J. (2011). Socioeconomic Status, Family Process and Individual Development. *Journal of Marriage and Family*, 72(3), 685-704.
- Conger, K. J., & Little, W. M. (2010). Sibling relationships during the transition to adulthood. *Child Development Perspectives*, 4, 87-94.
- Conger, R. D., Wallace, L. E., Sun, Y., Simons, R. L., McLoyd, V. C., & Brody, G. (2002). Economic pressure in African American families: A replication and extension of the family stress model. *Developmental Psychology*, 38, 179–193.
- Conger, K. J., Shannon, T. W., Little, W. M., Masyn, K. E., & Shebloski, B. (2009). Development of mastery during adolescence: The role of family problem solving. *Journal of Health and Social Behavior*, 50(1), 99-114.
- Conrade, G., & Ho, R. (2001). Differential parenting styles for fathers and mothers: Differential treatment for sons and daughters. *Australian Journal of Psychology*, 53, 29 – 35.
- Crick, N. R., & Dodge, K. A. (1994). A review of reformulation of social information processing mechanism in children's social adjustment. 115(1). 74-101.
- Culpin, I., Heron, J., Araya, R., Melotti, R., & Joinson, C. (2013). Father absence and depressive symptoms in adolescence: Findings from a UK cohort. *Psychological Medicine*, 43(12), 2615–2626.
- Dahl, R. E., & Spear, L. P. (2004). Adolescent Brain Development: Vulnerabilities and Opportunities. *New York Academy of Sciences*, 1021, 1-22.
- Damon, W. (2004). What is positive youth development? *Annals of the American Academy of Political and Social Science*, 591, 13–24.
- Daniels, D., & Plomin, R. (1985). Differential experience of siblings in the same family. *Developmental Psychology*, 21(5), 747-760.

- Davis, G. (2000). Adolescent depression and the effect of sibling relationships. *Dissertation Abstracts International*, 61(2B), 1076.
- Davies, P. T., & Cummings, E. M. (1994). Marital conflict and child adjustment: an emotional security hypothesis. *Psychological Bulletin*, 116, 387–411.
- Dekovic, M., & Buist, K. L. (2005). Multiple perspectives within the family: Family relationship patterns. *Journal of Family Issues*, 26, 467–490.
- Denham, S. A., Wyatt, T. M., Bassett, H. H., Echeverria, D., & Knox, S. S. (2009). Assessing social–emotional development in children from a longitudinal perspective. *Journal of Epidemiology and Community Health*, 63, 37–52.
- Department of Information, Ministry of Communications and Multimedia. (2016). Population by States and Ethnic Group. Retrieved from <http://pmr.penerangan.gov.my/index.php/profil-malaysia/7962-demografi-penduduk.html>
- Department of Statistics Malaysia. (2016). Children statistics, Malaysia 2016. Retrieved from <https://www.dosm.gov.my/v1/index.php?r=column/pdfPrev&id=NVYwaEtwM21MempVbWpBZFpxOFZHZz09>
- Department of Social Welfare. (2012). Number of uncontrolled children's cases in states of Malaysia 2011. Retrieved from <http://www.jkm.gov.my>
- Dijkstra, J. K., Lindenberg, S., & Veenstra, R. (2007). Same-gender and cross-gender peer acceptance and peer rejection and their relation to bullying and helping among preadolescents: Comparing predictors from gender-homophily and goal-framing approaches. *Developmental Psychology*, 43, 1377–1389.
- Dijkstra, P., Kuyper, H., Werf, G., Buunk, A. P., & Zee, Y. G. (2008). Social Comparison in the Classroom: A Review. Retrieved from <http://rer.sagepub.com/conent/78/4/828.full.pdf+html>
- Dishion, T. J., & McMahon, R. J. (1998). Parental monitoring and the prevention of child and adolescent problem behavior. *Clinical Child and Family Psychology*, 1, 61–75.
- Dixon R. A. (2005). Adolescent gender differences in mattering and wellness. *Journal of Adolescence*, 28, 753-763.
- Doyle, A. B., & Markiewicz, D. (2005). Parenting, marital conflict and adjustment from early- to mid-adolescence: Mediated by adolescent attachment style?. *Journal of Youth and Adolescence*, 34, 97–110.

- Dubas, J. S., & Gerris, J. R. M. (2002). Longitudinal changes in time parents spend in activities with their adolescent children as a function of child age, pubertal status and gender. *Journal of Family Psychology*, 16, 415–426.
- Dubowitz, H., Black, M. M., Cox, C. E., Kerr, M. A., Litrownik, A. J., Radhakrishna, A., English, D. J., Wood Schneider, M., & Runyan, D. K., (2001). Father involvement and children's functioning at age 6 years: A multisite study. *Child Maltreatment*, 6, 300-309.
- Duncan, L. G., Coatsworth, J. D., Greenberg, M. T. (2009). A model of mindful parenting: Implications for parent-child relationships and prevention research. *Clinical Child and Family Psychology Review*, 12(3), 255-270
- Dunn, J. (1992). Siblings and development. *Current Directions in Psychological Science*, 1, 6–9.
- Dunn, J., & Munn, P. (1985). Becoming a family member: Family conflict and the development of social understanding in the second year. *Child Development*, 56, 480-492.
- Dunn, J.F., Plomin, R., & Daniels, D. (1986). Consistency and Change in Mothers' Behaviour toward Young Siblings. *Child Development*, 57, 348-356.
- Dunn, J., Slomkowski, C., Beardsall, L., & Rende, R. (1994). Adjustment in middle childhood and early adolescence: Links with earlier and contemporary sibling relationships. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 35, 491-504.
- Dunn, J., Stocker, C., & Plomin, R. (1990). Nonshared experiences within the family: Correlates of behavioral problems in middle childhood. *Development and Psychopathology*, 2, 113-126.
- Dwairy, M. (2010). Parental Acceptance-Rejection: A Fourth Cross-Cultural Research on Parenting and Psychological Adjustment of Children. *Journal of Child Family Study*, 19(1), 30-35
- East, P. L., & Rook, K. S. (1992). Compensatory patterns of support among children's peer relationships: A test using school friends, non-school friends, and siblings. *Developmental Psychology*, 28, 163-172.
- Easterbrooks, M. A., & Goldberg, W. A. (1984). Toddler development in the family: Impact of father involvement and parenting characteristics. *Child Development*, 53, 740-752.
- Eccles, J. S. (1999). The development of children ages 6 to 14. *The Future of Children: When School is Out*, 9, 30–44. Retrieved from <http://www.rcgd.isr.umich.edu/garp/articles/eccles99n.pdf>

- Elias, H., & Yee, T. H. (2009). Relationship between perceived paternal and maternal parenting styles and students academic achievement in selected secondary schools. *European Journal of Social Sciences*, 9(2).
- Erikson, E. H. (1959). Identity and the life-cycle. *Psychological Issues*, 1, 18–164.
- Facts for Families. (2011). Parenting: Preparing for adolescence. *American Academy of Child and Adolescence Psychiatry*, 56.
- Feinberg, M., & Hetherington, E. M. (2001). Differential Parenting as a Within Family Variable. *Journal of Family Psychology*, 15(1), 22-37.
- Feinberg, M. E., Neiderhiser, J. M., Simmens, S., Reiss, D., & Hetherington, E. M. (2000). Sibling comparison of differential parental treatment in adolescence: gender, self esteem, and emotionality as mediator of the parenting-adjustment association. *Child Development*, 71(6), 1611-1628.
- Feinberg, M. E., Sakuma, K. L., Hostetler, M. & McHale, S. M. (2013). Enhancing sibling relationships to prevent adolescent problem behaviors: Theory, design and feasibility of siblings are special. *Evaluation and Program Planning*, 36, 97-106
- Ferron, L. (2016). Emotional Well Being Definition. Retrieved from <http://vitalworklife.com/blog/2016/01/02/wheel-of-well-being-emotional-dimension-definition/>
- Field, T., Lang, C., Yando, R., & Bendell, R. (1995). Adolescents' intimacy with parents and friends. *Adolescence*, 30(117), 133-140.
- Finan, L. J. (2016). Parent, peer, and sibling relationship factors and depression in adolescence and emerging adulthood: A growth curve analysis. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/1818472036/previewPDF/B5E3C436C7954F56PQ/1?accountid=28930>
- Flouri, E. (2005). *Fathering and child outcomes*. West Sussex, England: John Wiley & Sons Ltd
- Flouri, E., & Buchanan, A. (2003). The role of father involvement in children's later mental health. *Journal of Adolescence*, 26(1), 63–78.
- Forehand, R., Jones, D. J., & Parent, J. (2013). Behavioral parenting interventions for child disruptive behaviors and anxiety: What's different and what's the same. *Clinical Psychology Review*, 33(1), 133-145.
- Formoso, D., Gonzales, N. A., Barrera, M., & Dumka, L. E. (2007). Interparental relations, maternal employment, and fathering in Mexican American families. *Journal of Marriage and Family*, 69, 26-39.

- Fortuna, K., Ruisman, G. I., Haydon, K. C., Groh, A. M., & Holland, A. S. (2011). Attachment states of mind and the quality of young adults' sibling relationships. *Developmental Psychology*, 47(5), 1366-1373.
- Furby, L., & Beyth-Marom, R. (1992). Risk taking in adolescence: A decision-making perspective. *Developmental Review*, 12, 1– 44.
- Furman, W. & Buhrmester, D. (1985). Children's perceptions of the qualities of sibling relationships. *Child Development*, 56, 448-461.
- Gallarín, M. & Alonso-Arbiol, I. (2012). Parenting practices, parental attachment and aggressiveness in adolescence: A predictive model. *Journal of Adolescence*, 35, 1601-1610.
- Garaigordobil, M., Maganto, C., Perez, J. I., & Sansinenea, E. (2009). Gender differences in socioemotional factors during adolescence and effects of a violence prevention program. *Journal of Adolescence Health*, 44, 468-477.
- Gazelle, H., & Druhen, M. J. (2009). Anxious solitude and peer exclusion predicts social helplessness, upset affect, and vagal regulation in response to behavioral rejection by a friend. *Developmental Psychology*, 45, 1077–1096
- Geldhof, G.J., Bowers, E.P., Boyd, M.J., Mueller, M.K., Napolitano, C.M., Schmid, K.L., Lerner, J.V. & Lerner, R.M. (2013). Creation of short and very short measures of the five cs of positive youth development. *Journal of Research on Adolescence*, 24(1), 163-176.
- Gervan, S., Granic, I., Solomon, T., Blokland, K., & Ferguson, B. (2012). Paternal involvement in multisystemic therapy: Effects on adolescent outcomes and maternal depression. *Journal of Adolescence*, 35(3), 743–751.
- Gezova, K. C. (2015). Father's and Mother's Roles and Their Particularities in Raising Children. *Acta Technologica Dubnicae*, 5(1).
- Giletta, M., Scholte, R., Prinstein, M., Engels, R., Rabaglietti, E., & Burk, W. (2012). Friendship context matters: Examining the domain specificity of alcohol and depression socialization among adolescents. *Journal of Abnormal Child Psychology*, 40, 1027–1043.
- Gorrese, A. (2015). Peer attachment and youth internalising problems: A meta analysis. *Child Youth Care Forum*, 45, 177-204.
- Gorrese, A. & Ruggieri, R. (2012). Peer attachment: A meta-analytic review of gender and age differences and associations with parent attachment. *Journal of Youth and Adolescence*, 41, 650-672.

- Gross, G. (2014). How boys and girls learn differently. Retrieved from http://www.huffingtonpost.com/dr-gail-gross/how-boys-and-girls-learn-differently_b_5339567.html
- Guarnieri, S., Ponti, L., & Tani, F. (2010). The inventory of parent and peer attachment (IPPA): A study on the validity of styles of adolescent attachment to parents and peers in an Italian Sample. *TPM*, 17(3), 103-130.
- Guinn, M.D. (2015). Parent-adolescent attachment, bullying and victimization and mental health outcomes. Retrieved from https://digital.library.unt.edu/ark:/67531/metadc822828/m2/1/high_res_d/dissertation.pdf
- Guilamo-Ramos, V., Jaccard, J., Turrissi, R., & Johansson, M. (2005). Parental and school correlated of binge drinking among middle school students. *American Journal of Public Health*, 95(5), 8894-8899.
- Gullone, E., Hughes, E. K., Neville, K., J., & Bruce, T., (2010), The normative development of emotion regulation strategy use in children and adolescents: A 2-year follow-up study. *Journal of Child Psychology & Psychiatry*, 51(5), 567-574.
- Gullone, E., & Robinson, K. (2005). The Inventory Of Parent And Peer Attachment-Revised (IPPA-R) for children: A psychometric investigation. *Clinical Psychology & Psychotherapy*, 12, 67-79.
- Guo, J., Hawkins, J. D., Hill, K.G., & Abbott, R. D. (2001). Childhood and adolescent predictors of alcohol abuse and dependence in young adulthood. *Student Alcoholism*, 62, 754.
- Gutman LM, Samerof AJ. Continuities in depression from adolescence to young adulthood: Contrasting ecological influences. *Development Psychopathology*, 16, 967-84.
- Haas, S. A. (2006). Health selection and the process of social stratification: The effect of childhood health on socioeconomic attainment. *Journal of Health and Social Behavior*, 47, 339-354.
- Hair, E., McPhee, C., Martin, L. T., Milot, A., & Halle, T. (2007). Parents Matter: Parental Education, Parenting and Child Well-Being. Retrieved from <https://www.childtrends.org/wp-content/uploads/2013/05/indicator0.90059000%201369730900.pdf>
- Hair, E., Moore, K., Garrett, S., Kinukawa, A., Lippman, L. & Michelson, E. (2005). The parent adolescent relationship scale. *The Search Institute Series on Developmentally Attentive Community and Society*, 183-202. Retrieved from https://ezproxy.um.edu.my:2859/chapter/10.1007/0-387-23823-9_12

- Hansen, D. J., Nangle, D. W., & Meyer, K. A. (1998). Enhancing the effectiveness of social skills interventions with adolescents. *Education and Treatment of Children, 21*, 489-513.
- Hamzah, S. R., Suandi, T., Hamzah, A., & Tamam, E. (2014). The influence of religiosity, parental and peer attachment on hedonistic behavior among Malaysian youth. *Procedia-Social and behavioral Sciences, 122*, 393-397.
- Harrington, D. (2009). Confirmatory factor analysis. Retrieved from https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&ved=0ahUKEwjRw6niqrDWAhULjJQKHTsHC2AQFgg3MAI&url=http%3A%2F%2Fwww.universitypressscholarship.com%2Foso%2Fsearch%3Adownloadsearchresultaspdf%3Bjsessionid%3D3A896CCF54FE6650FBE9F6EC78D51284%3Ff_0%3Dkeywords%26q_0%3Dmultiple%2Bgroups&usg=AFQjCNHirGP_mKu0kxy1zXqhqTrPcsnKKg
- Harris, K. M., Furstenberg, F. F., & Marmer, J. K. (1998). Paternal involvement with adolescents in intact families: The influence of fathers over the life course. *Demography, 35* (2), 201-216.
- Hart, S. L., & Legerstee, M. (2010). *Handbook of jealousy: Theory, research, and multidisciplinary approaches*. John Wiley & Sons.
- Harter, S. & Whitesell, N.R. (1996). Multiple pathways to self-reported depression and psychological adjustment among adolescents. *Development and Psychopathology, 8*, 761-777.
- Hartup, W. W. (1996). The company they keep: Friendships and their developmental significance. *Child Development, 67*, 1-13.
- Haskett, M.E., & Willoughby, M. (2006). Paths to Child Social Adjustment: Parenting Quality and Children's Processing of Social Information. Retrieved from <http://web.ebscohost.com/ehost/pdfviewer/pdfviewer?vid=10&hid=10&sid=475fa743-b086-495e-9cb1-2600e5a410b0%40sessionmgr112>
- Hawkins, J. D., Catalano, R. F., & Miller, J. Y. (1992). Risk and protective factors for alcohol and other drug problems in adolescence and early adulthood: implications for substance abuse prevention. *Journal of Student Alcohol and Drugs, 112*(64).
- Hay, D. F. (2005). Early peer relations and their impact on children's development. *Encyclopedia on Early Children Development*. Retrieved from <http://www.child-encyclopedia.com/sites/default/files/textes-experts/en/829/early-peer-relations-and-their-impact-on-childrens-development.pdf>

- Hayes, A. F. (2012). PROCESS: A versatile computational tool for observed variable mediation, moderation, and conditional process modeling. Retrieved from <http://www.afhayes.com/public/process2012.pdf>
- Herrera, C., & Dunn, J. (1997). Early experiences with family conflict: Implications for arguments with a close friend. *Developmental Psychology*, 33, 869-881.
- Hodges, V. E., Boivin, M., Vitaro, F., & Bukowski, W. (1999). The power of friendship: Protection against an escalating cycle of peer victimization. *Developmental Psychology*, 35, 94-101.
- Hoeve, M., Dubas, J.S., Eichelsheim, V.I., Laan, P.H., Smeenk, W., & Gerris, J.R.M. (2009). The relationship between parenting and delinquency: A meta-analysis. *Journal of Abnormal Child Psychology*, 37(6): 749-775.
- Hoskins, D. H., (2014). Consequences of parenting on adolescents outcomes. *Societies*, 4, 506-531
- Howard, M. S. & Medway, F. J. (2004). Adolescents' attachment and coping with stress. *Psychology in the Schools*, 41(3), 391-402.
- Howe, N. (1991). Sibling-directed internal state language, perspective-taking and affective behavior. *Child Development*, 62, 1503-1512.
- Huang, S., Hou, J., Dou, D., Liu, X., & Zhang, H. (2017). The effects of objective and subjective socioeconomic status on subjective well being among rural to urban migrants in china: The moderating role of subjective social mobility. *Frontiers in Psychology*, 8, 819.
- Huppert, F. (2009). Psychological Well-being: Evidence Regarding its Causes and Consequences. *Applied psychology: Health and well-being*. 1 (2), 137-164.
- Hussong, A. M. (2000). Perceived peer context and adolescent adjustment. *Journal of Research on Adolescence*, 10, 391-415.
- Ibrahim, R., Aida, R. Z., & Ohtsuka, K. (2013). Worker wellbeing in Malaysia: Prediction of wellbeing from psychosocial work environment, organizational justice and work family conflict. *Selected Papers from the 2010 Congress of the International Association for Cross-Cultural Psychology*, 182-189.
- Jenkins, A. (2017). Chinese culture and parenting. Retrieved from <http://www.livestrong.com/article/239128-chinese-culture-parenting/>
- Jenkins, J. M., O'Connor, T. G., Dunn, J., Rasbah, J. Bahnke, P. (2005). Change in maternal perception of sibling negativity: within and between family influences. *Journal of Family Psychology*, 19(4), 533-541.
- Jenkins, J. M., Rasbah, J., & O'Connor, T. G. (2003). The Role of the Shared Family Context in Differential Parenting. *Developmental Psychology*, 39(1), 99-113.

- Jessor, R. (1993). Successful adolescent development among youth in high risk settings. *American Psychologist*, 48, 117 –126.
- Jin, J. C., & Kang, Y. L. (2011). Impacts of Korean fathers' attachment and parenting behavior on their children's social competence. *Social Behavior and Personality*, 39(5), 627-644.
- Johanson, G. A., & Brooks, G. P. (2010). Initial scale development: Sample size for pilot studies. *Educational and Psychological Measurement*, 70(3), 394-400.
- Johnson, H., LaVoie, J., & Mahoney, M. (2001). Interparental conflict and family cohesion: predictors of loneliness, social anxiety, and social avoidance in late adolescence. *Journal of Adolescence Resilience*. 6, 304–18.
- Jorm, A. F., Dear, K. B. G., Rodgers, B., & Christensen, H. (2003). Interaction between mother's and father's affection as a risk factor for anxiety and depression symptoms: Evidence for increased risk in adults who rate their father as having been more affectionate than their mother. *Social Psychiatry and Psychiatric Epidemiology*, 38(4), 173-179.
- Jung, H. W. (2008). Age and gender differences in the well being of midlife and aging parents with children with mental health or developmental problems: Report of a national study. *Journal of Health Social Behavior*, 49(3), 301-316.
- Kassim, A. W. B. (2006). *Juveniles on Remand: Trends and Practices in Malaysia*. Retrieved from http://www.unafei.or.jp/english/pdf/RS_No68/No68_17PA_Kassim.pdf
- Kedro, M. (2017). Parenting in the Indian Culture. Retrieved from <http://www.livestrong.com/article/1007669-parenting-indian-culture/>
- Keller, K. (2002). Gendered close relationships. Retrieved from <https://www.quia.com/pages/4102002.html>
- Kelly, C. L. (2015). Sibling support as a mediator of sibling relationship quality and well being. Retrieved from <https://ezproxy.um.edu.my:2997/dissertations/docview/1728799644/previewPDF/30DC374256094D86PQ/1?accountid=28930>
- Kertzner, R. M., Meyer, I. H., Frost, D. M., & Stirratt, M. J. (2010). Social and psychological well being in lesbians, gay men, and bisexuals: The effects of race, gender, age, and sexual identity. *American Journal of Orthopsychiatry*, 79(4), 500-510.
- Khan, A., Ahmad, R., Hamdan, A. R., Mustaffa, A. S., & Tahir, L. M. (2014). Does psychological strengths and subjective well-being predicting parental involvement and problem solving among Malaysian and Indian students?. *Springer Open Journal*, 3, 756.

- Kim, J. Y., McHale, S. M., Crouter, A. C., & Osgood, D. W. (2007). Longitudinal linkages between sibling relationships and adjustment from middle childhood through adolescence. *Developmental Psychology*, 43(4), 960-973.
- Kirby, D (2007). Research Findings on Programs to Reduce Teen Pregnancy and Sexually Transmitted Diseases. The National Campaign to Prevent Teen and Unplanned Pregnancy, Retrieved from https://thenationalcampaign.org/sites/default/files/resource-primary-download/EA2007_full_0.pdf
- Kingery, J. N., Erdley, C. A., Marshall, K. C., Whitaker, K. G., & Reuter, T. R. (2010). Peer experiences of anxious and socially withdrawn youth: An integrative review of the developmental and clinical literature. *Clinical Child and Family Psychology Review*, 13, 91-128.
- Kochanska, G., Barry, R. A., Stellern, S.A., & O'Bleness, J.J. (2009). Early attachment organization moderates the parent–child mutually coercive pathway to children's antisocial conduct. *Child Development*, 80, 1288–1300.
- Koepke, S., & Denissen, J. J. A. (2012). Individuation and identity development in adolescence and emerging adulthood: Conceptual clarifications and an integrative model. *Developmental Review*, 32, 67–88.
- Kowal, A. K., & Krammer, L. (1997). Children's Understanding of Parental Differential Treatment. *Child Development*, 68(1), 113-126.
- Kowal, A. K., Krull, J. L., & Krammer, L. (2006). Shared Understanding of Parental Differential Treatment in Families. Retrieved from http://ezproxy.upm.edu.my:2149/pdf17_20/pdf/2006/BSP/01May06/20426603.pdf?T=P&P=AN&K=20426603&S=R&D=pbh&EbscoContent=dGJyMMv17ESeqLQ40dVuOLCmr0meprBSrqa4SLeWxWXS&ContentCustomer=dGJyMPPm64Tn2LmF39%2FsU%2BPe7Yvy
- Krejcie, R.V. & Morgan, D.W. (1970). Determining sample size for research activities. *Educational and Psychological Measurement*. 30, 607-610.
- La Greca, A. M., & Harrison, H. M. (2005). Adolescent peer relations, friendships, and romantic relationships: Do they predict social anxiety and depression. *Journal of Clinical Child and Adolescent Psychology*, 34, 49–61.
- Laible, D. (2007). Attachment with parents and peers in late adolescence: Links with emotional competence and social behavior. *Personality and Individual Differences*, 43, 1185–1197.
- Lam, C. B., Solmeyer, A. R., & McHale, S. M. (2012). Sibling relationships and empathy across the transition to adolescence. *Journal of Youth Adolescence*, 41, 1657-1670.

- Lansford, J. E., Skinner, A. T., Sorbring, E., Giunta, L. D., Deater-Deckard, K., Dodge, K. A., Malone, P. S., Oburu, P., Pastorelli, C., Tapanya, S., Tirado, L. M. U., Zelli, A., Al-Hassan, S. M., Alampay, L. P., Baacchini, D., Bombi, A. S., Bornstein, M. H., & Chang, L. (2012). Boys' and girls' relational and physical aggression in nine countries. *Aggressive Behaviors*, 38(4), 298-308
- Larose, S., & Bernier, A. (2001). Social support processes: Mediators of attachment state of mind and adjustment in late adolescence. *Attachment & Human Development*, 3, 96–120
- Larson, R., & Ham, M., 1993. Stress and storm and stress in early adolescence: The relationship of negative events with dysphoric affect. *Developmental Psychology*, 29, 130–140.
- Lee, A., & Hankin, B. L. (2009). Insecure attachment, dysfunctional attitudes, and low self esteem predicting prospective symptoms of depression and anxiety during adolescence. *Journal of Clinical Child and Adolescence Psychology*, 38(2), 219-231
- Lee, Y.P. (2010). Children suffering from stress and depression. Retrieved from http://www.dhrramalaysia.org.my/dhrramalaysia/index.php?option=com_content&view=article&id=307:star20-of-children-suffering-stress-and-depression-liow&catid=49:psychological-news
- Lee, A., & Hankin, B. L. (2009). Insecure attachment, dysfunctional attitudes, and low self-esteem predicting prospective symptoms of depression and anxiety during adolescence. *Journal of Clinical Child and Adolescent Psychology*, 38(2), 219–231.
- Lempers, J., & Clark-Lempers, D. (1992). Young, middle, and late adolescents' comparisons of the functional importance of five significant relationships. *Journal of Youth and Adolescence*, 21, 53-96.
- Lerner, R.M. (2005). Promoting positive youth development: Theoretical and empirical bases. Institute for Applied Research in Youth Development Tuft University. Retrieved from <https://ase.tufts.edu/iaryd/documents/pubPromotingPositive.pdf>
- Lerner, R. M., Lerner, J.V., Almerigi, J.B., Theokas, C., Phelps, E., Gestsdottir, S., Naudeau, S., Jelicic, H., Alberts, A., & Ma, L. (2005). Positive Youth Development, Participation in community youth development programs, and community contributions of fifth-grade adolescents findings from the first wave Of the 4-H study of Positive Youth Development. *Journal of Early Adolescence*, 25: 17–71.
- Lerner, R. M., Lerner, J. V., Lewin-Bizan, S., Bowers, E. P., Boyd, M. J., Mueller, M. K., Schmid, K. L., & Napolitano, C. M. (2011). Positive youth development: Process, programs and problematics. *Journal of Youth Developments*, 6(3).

- Leventhal, T., & Brooks-Gunn, J. (2000). The neighborhoods they live in: The effects of neighborhood residence on child and adolescent outcomes. *Psychological Bulletin*, 126(2), 309-337.
- Levine, M.P., Smolak, L., & Hayden, H. (1994). The Relation of Sociocultural Factors to Eating Attitudes and Behaviours among Middle School Girls. *Journal of Early Adolescence*. 14(4), 471-490.
- Li, X. L., Feigelman, B. S., Stanton, S. F. (2000). Impact of perceived parental monitoring on adolescent risk behavior over 4 years. *Journal of Adolescence Health*, 27, 49–56
- Lila, M., Gracia, F., & Gracia. E. (2007). Perceived paternal and Maternal Acceptance and Children's Outcomes in Columbia. *Social Behavior and Personality*. 35(1), 115-124.
- Lim, H. J., Baharuddin, R. & Tan, J. P. (2013). Percieved parental warmth and depression in early adolescents: path analysis on the role of self esteem as a mediator. *Pertanika Journals of Social Sciences and Humanities*. 21(1), 165-178.
- Lippold, M. A., Duncan, L. G., Coatsworth, J. D., Nix, R. L., & Greenberg, M. T. (2015). Understanding how mindful parenting may be linked to mother–adolescent communication. *Journal of Youth and Adolescence*, 44, 1663-1673.
- Liu, Y. L. (2008). An examination of three models of the relationships between parental attachments and adolescents' social functioning and depressive symptoms. *Journal of Youth and Adolescence*, 37, 941–952.
- Loeser, M. K. (2011). Parental differential treatment and its effects on sibling jealousy. Retrieved from <http://ezproxy.upm.edu.my:3208/pqdweb?index=1&did=2337999731&SrchMode=2&sid=1&Fmt=6&VInst=PROD&VType=PQD&RQT=309&VName=PQD&TS=1316527227&clientId=36652>
- Loeser, M. K., Whiteman, S. D. & McHale, S. M. (2017). Siblings perceptions of differential treatment, fairness and jealousy and adolescent adjustment: A moderated indirect effects model. *Journal of Child and Family Studies*, 25(8), 2405-2414.
- Loke, A. Y., & Mak, Y. W. (2013). Family process and peer influences on substance use by adolescents. *International Journal of Environmental Research and Public Health*, 10(9), 3868-3885.
- Maes, M. (2009). Perceived academic competence, parental differential treatment and sibling relationship quality in Indian and Dutch children. Retrieved from file:///C:/Users/User/Downloads/Bachelorthesis%20Maes,%20M-3111547.pdf

- Mahyuddin, R., Elias, H., Loh, S.C., Muhamad, M. F., Nooreen, N., & Abdullah, M.C. (2006). The relationship between students' self efficacy and their english language achievement. *JurnalPendidik and Pendidikan*, 21, 61-71.
- Malaysia Department of Statistics. (2016). Retrieved on August 13, 2017 from <https://www.dosm.gov.my/v1/index.php?r=column/pdfPrev&id=OWlxdEVoYlJCS0hUZzJyRUcvZEYxZz09>
- Malaysian Education Statistics. (2013). Quick Facts. Retrieved from <http://culturalparenting2016.blogspot.my/2016/07/malaysia-is-multi-racial-and-multi.html>
- Malaysian Parenting Style. (2016). Parenting Practices of Different Culture. Retrieved from <http://culturalparenting2016.blogspot.my/2016/07/malaysia-is-multi-racial-and-multi.html>
- Malekpour, M. (2007). Effects of attachment on early and later development. *The British Journal of Developmental Disabilities*, 53(105), 81-95.
- Malmberg, L. E., & Flouri, E. (2011). The comparison and interdependence of maternal and paternal influences on young children's behavior and resilience. *Journal of Clinical Child & Adolescent Psychology*, 40(3), 434-444.
- Mandara, J., Murray, C.B., Telesford, J.M., Varner, F.A., & Richman, S.B. (2012). Observed gender differences in African American mother-child relationships and child behavior. *Family Relation*, 61, 129-141.
- Marganska, A., Gallagher, M., & Miranda, R. (2013). Adult attachment, emotion dysregulation, and symptoms of depression and generalized anxiety disorder. *American Journal of Orthopsychiatry*, 83, 131-141.
- Matos, M. G., Santos, T., Reis, M., Marques, A. & 'Aventura Social' Team. (2017). Positive youth development (PYD) in adolescents Portugese report. The positive youth development cross national project. Retrieved from http://aventurasocial.com/arquivo/1482272541__Report%20PYD-BePositive_19.12.2016.pdf
- McElhaney, K. B., & Allen, J. P. (2012). Sociocultural perspectives on adolescent autonomy. Retrieved from http://people.virginia.edu/~psykliff/Teenresearch/Publications_files/Sociocultural%20Perspectives%20on%20Adolescent%20Autonomy%20.pdf
- McGuire, S., Dunn, J., & Plomin, R. (1995). Maternal Differential Treatment of Siblings and Children's Behavioral Problems: A Longitudinal Study. *Development and Psychopathology*, 7, 515-528.

- McHale, S. M., Crouter, A. C., McGuire, S. A., & Updegraff, K. A. (1995). Congruence between mothers' and fathers' differential treatment of siblings: links with family relations and children's wellbeing. *Child Development*. Retrieved from <http://ezproxy.upm.edu.my:2148/ehost/pdfviewer/pdfviewer?vid=4&hid=113&sid=a2551efd-3d68-4279-b718-eac8f0d373e3%40sessionmgr112>
- McHale, S. M., & Pawletko, T.M. (1992). Differential treatment of siblings in two family contexts. *Child Development*, 63, 68–81.
- McHale, S. M., Updegraff, K. A., Newsom, J.J., Tucker, C.J., & Crouter, A.C. (2000). When does parents' differential treatment have negative implications for siblings?. Retrieved from <http://ezproxy.upm.edu.my:2148/ehost/pdfviewer/pdfviewer?vid=4&hid=113&sid=a2551efd-3d68-4279-b718-eac8f0d373e3%40sessionmgr112>
- McHale, S. M., Updegraff, K. A., Shanahan, L., Crouter, A. C., & Killoren, S. E. (2005). Siblings' differential treatment in Mexican American families. *Journal of Marriage and Family*, 67(5), 1259.
- McHale, S. M., Updegraff, K. A., & Whiteman, S. D. (2012). Sibling relationships and influences in childhood and adolescence. *Journal of Marriage and Family*, 75, 913-930
- McHale, S. M., Updegraff, K. A., & Whiteman, S. D. (2013). Sibling relationships. Retrieved from https://ezproxy.um.edu.my:2859/content/pdf/10.1007%2F978-1-4614-3987-5_15.pdf
- McIntyre, J.G. & Dusek, J.B. (1995). Perceived parental rearing practices and styles of coping. *Journal of Youth and Adolescence*, 24(4), 499-509.
- Ministry of Education Malaysia. (2006). Laporan Pelan Induk Pembangunan Pendidikan 2006-2010. Kuala Lumpur: Bahagian Perancangan dan Penyelidikan Dasar Pendidikan. Retrieved from file:///C:/Users/User/Downloads/2007ppp_12_ringkasan.pdf
- McLeod, S. (2008). Correlation. *Simply Psychology*. Retrieved from <https://www.simplypsychology.org/correlation.html>
- McLeod, J.D., & Kaiser, K. (2004). Childhood emotional and behavioral problems and educational attainment. *American Sociological Review*, 69, 636–658
- McLellan, J. A., & Youniss, J. (2003). Two systems of youth services: determinants of voluntary and required youth community service. *Journal of Youth and Adolescence*, 32(1), 47–58.

- Megan, D. G. (2015). Parent-adolescent attachment, bullying and victimization and mental health outcomes. Retrieved from https://digital.library.unt.edu/ark:/67531/metadc822828/m2/1/high_res_d/dissertation.pdf
- Menning, C. L. (2006). Nonresident fathers' involvement and adolescents' smoking. *Journal of Health and Social Behavior*, 47(1), 32–46.
- Mikulincer, M., & Shaver, P. R. (2004). Adult attachment strategies and the regulation of emotions. Retrieved from <http://istocrates.berkeley.edu/~boblev/images/affective%20science%20readings/Shaver/20100309110651377.pdf>
- Milevsky, A., Schlechter, M., Netter, S., & Keehn, D. (2007). Maternal and paternal parenting styles in adolescents: Associations with self-esteem, depression and life-satisfaction. *Journal of Child and Family Studies*, 16(1), 39–47.
- Morgaine, C. (2001). Family System Theory. Retrieved from <http://web.pdx.edu/~cbcm/CFS410U/FamilySystemsTheory.pdf>
- Mortimer, J. T., Zhang, F. L., Hussemann, J., & Wu, C. Y. (2014). Parental economic hardship and children's achievement orientations. *Longitudinal Life Course Study*, 5(2), 105-128.
- Moser, I. M. R., Patemite, C. E., & Dixon Jr, W. E. (1996). Late adolescents' feelings toward parents and siblings. *Merrill-Palmer Quarterly*, 42, 537-553.
- Meunier, J. C., Bisceglia, R., & Jenkins, J. M. (2012). Differential parenting and children's behavioral problems: Curvilinear associations and mother–father combined effects. *Developmental Psychology*, 48, 987–1002.
- Munn, C. Y. (2013). Ethnic socialisation: A case of Malaysian Malay and Chinese Public Universities students experience. *International Journal of Social Science and Humanity*, 3(6).
- Naeemi, S., Tamam, E., Hassan, S. H. & Bolong, J. (2014). Facebook usage and its association with psychological well being among Malaysian adolescents. *Procedia Social and Behavioral Sciences*, 155, 87-91
- Nangle, D. W., & Hansen, D. J. (1998). New directions in the application of social-skills interventions with adolescents: Introduction to the special section. Faculty Publications, Department of Psychology. Retrieved from <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1073&context=psychfacpub>
- Nauman, E. (2014). What makes a happy Parent. Mind and Body. Retrieved from https://greatergood.berkeley.edu/article/item/what_makes_a_happy_parent

- Nega, T. (2014). Peer group influence, alcohol consumption and academic self esteem of adolescents in North Shoa Zone: The case of Ataye Secondary School. Retrieved from <http://etd.aau.edu.et/bitstream/123456789/7485/1/1.%20Tilaye%20Nega.pdf>
- Ng, W.L., Mofrad, S. & Uba, I. (2014). Effect of birth order on the differential parental treatment of children. *Asian Social Science*, 10(14).
- Nickerson, A. B., & Nagle, R. J. (2005). Parent and peer attachment in late childhood and early adolescence. *American Journal of Early Adolescence*, 25, 223–249.
- Nokali, N. E. E., Bachman, H. J., & Votruba-Drzal, E. (2011). Parent involvement and children's academic and social development in elementary school. *Journal of Child Development*, 81(3), 988-1005.
- Noom, M. J., Dekovic', M., & Meeus, W. H. J. (1999). Autonomy, attachment and psychosocial adjustment during adolescence: A double-edged sword?. *Journal of Adolescence*, 22, 771–783.
- Oberle, E., Schonert-Reichl, K.A., & Thomson, K.C. (2010). Understanding the link between social and emotional well being and peer relations in early adolescence: Gender-specific predictors of peer acceptance. *Journal of Youth and Adolescence*, 39, 1330-1342.
- O'Brien, R.M. (2007). A caution regarding rules of thumb for variance inflation factors. *Quality and Quantity*, 41(5), 673-690.
- O'Conner, T. G., Reiss, D., McGuire, S., Hetherington, E. M., & Plomin, R. (1998). Co-occurrence of depressive symptoms and antisocial behavior in adolescence: A common genetic liability, 107(1), 27-37.
- O'Sullivan, C. Y., Lauko, M. A., Grigg, W. S., Qian, J., & Zhang, J. (2003). The nation's report card: Science 2000. Retrieved from <http://nces.ed.gov/nationsreportcard/pdf/main2000/2003453.pdf>.
- Oswalt, A. (2010). Adolescent Moral Development. Retrieved from <https://www.mentalhelp.net/articles/adolescent-moral-development/>
- Odenweller, K. G., Rittenour, C. E., Myers, S. A., & Brann, M. (2013). Father-son family communication patterns and gender ideologies: A modeling and compensation analysis. *Journal of Family Communication*, 13(4), 340–357.
- Ollendick, T. H., Seligman, L. D., Goza, A. B., Byrd, D. A., & Singh, K. (2003). Anxiety and depression in children and adolescents: A factor-analytic examination of the tripartite model. *Journal of Child and Family Studies*, 12, 157-170

- Pace, U., & Zappulla, C. (2009). Identity processes and quality of emotional autonomy: The contribution of two developmental tasks on middle-adolescents' subjective well-being. *An International Journal of Theory and Research*, 9, 323–340.
- Parent, J., Clifton, J., Forehand, R., Golub, A., Reid, M., & Pichler, E. R. (2014). Parental mindfulness and dyadic relationship quality in low income cohabiting black stepfamilies: Associations with parenting experienced by adolescents. *Couple and Family Psychology*, 3(2), 67-82
- Parent, J., McKee, L. G., Rough, J., & Forehand, R. (2015). The association of parent mindfulness with parenting and youth psychopathology across three developmental stages. *Journal of Abnormal Child Psychology*, 44, 191-202
- Parker, J., & Benson, M. (2004). Parent-adolescent relations and adolescent functioning: Self-esteem, substance abuse, and delinquency. *Adolescence*, 39(155), 519-530.
- Parker, J. G., Rubin, K. H., Erath, S. A., Wojslawowicz, J. C., & Buskirk, A. A. (2006). Peer relationships, child development, and adjustment: A developmental psychopathology perspective. Retrieved from https://www.researchgate.net/publication/235910155_Peer_Relationships_Child_Development_and_Adjustment_A_Developmental_Psychopathology_Perspective
- Parsons, J. E., Adler, T. F., & Kaczala, C. M. (1982). Socialization of achievement attitudes and beliefs: Parental influences. *Child Development*, 53(2), 310-321
- Pahl KM, Barrett PM (2007). Development of social-emotional competence in preschool-aged children: Introduction of the Fun Friends program. *Australian Journal of Guidance and Counselling*, 17 (1), 81-90.
- Phares, V., Lopez, E., Fields, S., Kamboukos, D., & Duhig, A.M. (2005). Are fathers involved in pediatric psychology research and treatment. *Journal of Pediatric Psychology*, 30(8), 631-643.
- Pickhardt, C.E. (2010). The challenge of mothering an adolescent daughter. Retrieved from <https://www.psychologytoday.com/blog/surviving-your-childs-adolescence/201012/the-challenge-mothering-adolescent-daughter>
- Pickhardt, C.E. (2015). The mutual disaffection of parenting and adolescent. Retrieved from <https://www.psychologytoday.com/blog/surviving-your-childs-adolescence/201501/the-mutual-disaffection-parenting-adolescent>
- Pike, A., Manke, B., Reiss, D., & Plomin, R. (2000). A genetic analysis of differential experiences of adolescent siblings across three years. Retrieved from <http://ehis.ebscohost.com/ehost/pdfviewer/pdfviewer?vid=22&hid=116&sid=bffddd3f-c667-43bb-8171-5ee8d10d2cf0%40sessionmgr4>

- Piko, B. (2011). Gender difference and similarities in adolescent's way of coping. *The Psychological Record*, 51(2),4
- Pitman, R., & Scharfe, E. (2010). Testing the function of attachment hierarchies during emerging adulthood. *Personal Relationships*, 17, 201–216.
- Plenty, S., & Mood, C. (2016). Money, peer and parents: Social and economic aspects of inequality in youth wellbeing. *Journal of Youth and Adolescence*, 45(7), 1294-1308.
- Poudel, A., Sharma, C., Gautam, S., & Poudel, A. (2016). Psychosocial problems among individuals with substance use disorders in drug rehabilitation centers, Nepal. *Substance Abuse Treatment and Prevention Policy*, 11, 28
- Preusse, K. (2008). Fostering prosocial behavior in young children. *Early Childhood news*. Retrieved from http://www.earlychildhoodnews.com/earlychildhood/article_view.aspx?ArticleId=566
- Quach, A. S., Epstein, N. B., Riley, P. J, Falconier, & M. K., Fang, X. (2013). Effects of parental warmth and academic pressure on anxiety and depression symptoms in Chinese adolescents. *Journal of Child and Family Studies*, 1–11.
- Rapheal, J., Damodaran, D.K., & Paul, V.K. (2014). Influence of home environment on adolescent psychological well being. *The International Journal of Indial Psychology*, 2(1)
- Rauer, A.J., & Volling, B.L. (2007). Differential parenting and sibling jealousy: developmental correlates of young adults' romantic relationships. *Personal Relationships*, 14, 495-511.
- Rescorla, L. A., Achenbach, T. M., Ivanova, M. Y., Dumenci, L., Almqvist, F., Bilenberg, N., & Verhulst, F. (2007). Epidemiological comparisons of problems and positive qualities reported by adolescents in 24 countries. *Journal of Consultation Clinical Psychology*, 75(2), 351–358.
- Resnick, M., Ireland, M. & Borowsky, I. (2004). Youth violence perpetration: What protects? What predicts? Findings from the National Longitudinal Study of Adolescent Health. *Journal of Adolescent Health*, 35(5).
- Restifo, K., Akse, J., Guzman, N. V., Benjamins, C., & Dick, K. (2009). A pilot study of self-esteem as a mediator between family factors and depressive symptoms in young adult university students. *The Journal of Nervous and Mental Disease*, 197(3), 166-171.
- Rhee, E., Uleman, J.S., & Hoon, K.L. (1996). Variations in collectivism and individualism by ingroup and culture: confirmatory factor analyses. *Journal of Personality and Social Psychology*, 71(5), 1037-1054.

- Richards, R., McGee, R., Williams, S. M., Welch, D., & Hancox, R. J. (2010). Adolescent screen time and attachment to parents and peers. *Archives of Pediatrics & Adolescent Medicine*, 164, 258–262.
- Rinaldi, C. M., & Howe, N. (2012). Mothers' and fathers' parenting styles and associations with toddlers' externalizing, internalizing, and adaptive behaviors. *Early Childhood Research Quarterly*, 27(2), 266–273.
- Robinson, A.M., Esters, L.T., Dotterer, A., McKee, R., & Tucker, M. (2012). An exploratory study of the five C's model of positive youth development among indiana 4-H youth. *Journal of Youth Development*, 7(1).
- Roelofs, J., Onckels, L., & Muris, P. (2013). Attachment quality and psychopathological symptoms in clinically referred adolescents: The mediating role of early maladaptive schema. *Journal of Child and Family Studies*, 22, 377–385
- Rohner, R. P., & Britner, P. A. (2002). Worldwide mental health correlates of parental acceptance- rejection: Review of cross-cultural and intracultural evidence. *Cross Cultural Research*, 36(1), 16-47.
- Rosenthal, N., & Kobak, R. R. (2010). Assessing adolescents' attachment hierarchies: Differences across developmental periods and associations with individual adaption. *Journal of Research on Adolescence*, 20, 678–706.
- Rowe, D. C., & Plomin, R. (1981). The importance of nonshared environmental influences. *Behavioral Development*, 17(5), 517-531.
- Ruijten, T., Roelofs, J., & Rood, L. (2011). The mediating role of rumination in the relation between quality of attachment relations and depressive symptoms in non-clinical adolescents. *Journal of Child Family Studies*, 20, 452–459.
- Sabri, M.F., Cook, C.C. & Gudmunson, C.G (2012), Financial well-being of Malaysian college students. *Asian Education and Development Studies*, 1, 153-179.
- Sarkadi, A., Kristiansson, R., Oberklaid, F., & Bremberg, S. (2008). Fathers' involvement and children's developmental outcomes: A systematic review of longitudinal studies. *Acta Paediatrica*, 97(2), 153–158.
- Sanja, S. A., & Petar B.C. (2011). Sex differences in patterns of relations between family interactions and depressive symptoms in adolescents. *Medical Journal*, 52(4), 469–477.
- Salkind, N. J. (1997). *Exploring Research.*, Upper Saddle River, NJ: Prentice Hall.
- Satir. (1972). *Personal Competence Lifespan Framework*. Retrieved from <http://www.d.umn.edu/~kbrorson/TSWadapted/resources/PDFS/FamilySystemsTheory.pdf>

- Sandhu, R. (2014). Father attachment predicts adolescent girl's social and emotional development. Retrieved from <http://aura.antioch.edu/cgi/viewcontent.cgi?article=1097&context=etds>
- Santrock, J. W., Smith, P. C., & Bourbeau, P. E. (1976). Effects of social comparison on aggression and regression in groups of young children. *Child Development*, 47, 831-837.
- Scales, P.C., & Leffert, N. (1999). *Developmental assets: A Synthesis of the Scientific Research on Adolescent Development*. Retrieved from <https://issuu.com/search-institute/docs/dassets>
- Scaramella, L. V., Conger, R. D., Simons, R. L., & Whitbeck, L. B. (1998). Predicting risk for pregnancy by late adolescence: A social contextual perspective. *Developmental Psychology*, 34(6), 1233-1245.
- Schnyders, C. (2012). Parental and Peer Attachment as Predictors of the Perceived Experience of Emerging Adulthood Among Undergraduates between the Ages of 18-20: A Multiple regression Study. Retrieved from https://etd.ohiolink.edu/rws_etd/document/get/kent1341242639/inline
- Scholte, R. H. J., Engles, R. C. M., Kemp, R. A. T., Harakeh, Z. & Overbeek, G. (2006). Differential parental treatment, sibling relationship and delinquency in adolescence. *Journal of Youth Adolescence*. Retrieved from <http://www.rutgerengels.nl/wp-content/uploads/2010/03/2007-Differential-parental-treatment-sibling.pdf>
- Schonert-Reichl, K. A. (1999). Relations of peer acceptance, friendship, adjustment, and social behavior to moral reasoning during early adolescence. *Journal of Early Adolescence*, 19, 249-279
- Schulman, S., & Davies, T. (2007). Evidence of the impact of the 'youth development' model on outcomes for young people: A literature review. Retrieved from <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.460.2002&rep=rep1&type=pdf>
- Scott, S., Briskman, J., Woolgar, M., Humayun, S., & O'Connor, T. G. (2011). Attachment in adolescence: Overlap with parenting and unique prediction of behavioral adjustment. *Journal of Child Psychology and Psychiatry*, 52(10), 1052-1062
- Seiffge-Krenke, I. (2006). Coping with relationship stressors: The impact of different working models of attachment and links to adaptation. *Journal of Youth and Adolescence*, 35, 25-39
- Sendut, H. (1991). Managing in a multicultural society: The Malaysian Experience. *Malaysian Management Review*, 26, 61-69.

- Sentse, M., Lindenberg, S., Omvlee, A., Ormel, J., & Veenstra, R. (2010). Rejection and acceptance across context: Parents and peers as risks and buffers for early adolescent psychotherapy. The TRAILS study. *Journal of Abnormal Child Psychology*, 38(1), 119-130.
- Sentse, M., Veenstra, R., Lindenberg, S., Verhulst, F. C., & Ormel, J. (2009). Buffers and risks in temperament and family for early adolescent psychopathology: Generic, conditional, or domainspecific effects?. *Developmental Psychology*, 45, 419-430.
- Seta, J. J., Seta, C. E., & McElroy, T. (2006). Better than better-than-Average (or not): Elevated and depressed self evaluations following unfavorable social comparisons. *Self and Identity*, 5, 51-72.
- Shanahan, L., McHale, S. M., Crouter, A. C., & Osgood, D. W. (2008). Linkages between parents' differential treatment, youth depressive symptoms, and sibling relationships. *Journal of Marriage and Family*, 70, 480-494.
- Shebloski, B., Conger, K. J., & Widaman, K. F. (2005). Reciprocal links among differential parenting, perceived partiality, and selfworth: a three-wave longitudinal study. *Journal of Family Psychology*, 19, 633.
- Sheehan, G., & Noller, P. (2002). Adolescents perceptions of differential parenting: links with aStyle and adolescent adjustment. personal relationships. Retrieved from <http://ezproxy.upm.edu.my:2148/ehost/pdfviewer/pdfviewer?vid=4&hid=113&sid=a2551efd-3d68-4279-b718-eac8f0d373e3%40sessionmgr112>
- Sher-Censor, E., Parke, R. D., & Coltrane, S. (2011). Parents' promotion of psychological autonomy, psychological control, and Mexican American adolescents' adjustment. *Journal of Youth and Adolescence*, 40, 620-632.
- Silbereisen, R. K., & Lerner, R.M. (2007). Approaches to positive youth development: A view of the issues . In *Approaches to positive youth development*. Sage Publications Limited, 3-30.
- Sloboda, Z., Glantz, M.D., & Tarter, R.E. Revisiting the concepts of risk and protective factors for understanding the etiology and development of substance use and substance use disorders: Implications for prevention. *Substance Use and Misuse*, 47, 944-962.
- Small, S., & Memmo, M. (2004). Contemporary models of youth development and problem pPrevention: Toward an integration of terms, concepts, and models. *Family Relations*, 53,3-11.
- Soenens, B., & Beyers, W. (2012). The cross-cultural significance of control and autonomy in parent-adolescent relationships. *Journal of Adolescence*, 35, 243-248.

- Soenens, B., Vansteenkiste, M., Lens, W., Luyckx, K., Beyers, W., Goossens, L., et al. (2007). Conceptualizing parental autonomy support: Adolescent perceptions of promoting independence versus promoting volitional functioning. *Developmental Psychology*, 43, 633–646.
- Song, H. R., Thompson, R. A., & Ferrer, E. (2009). Attachment and self-evaluation in Chinese adolescents: Age and gender differences. *Journal of Adolescence*, 32, 1267–1286.
- Spano, S. (2004). Stages of adolescent development. Retrieved from http://www.actforyouth.net/resources/rf/rf_stages_0504.pdf
- Spencer, P. (2008). Is it harder to raise boys or girls?. Retrieved from <http://edition.cnn.com/2008/HEALTH/family/06/17/harder.to.raise/index.html>
- Stanik, C. E., Riina, E. M., & McHale, S. M. (2014). Parent adolescent relationship qualities and adolescent adjustment in two parent African American Families. *Family Relations*, 62 (4), 597-608
- Steinberg, L. (2005). Cognitive and affective development in adolescence. *Trends in Cognitive Science*, 9, 69–74
- Steinberg, L., & Cauffman, E. (1996). Maturity of judgment in adolescence: Psychosocial factors in adolescent decision making. *Law and Human Behavior*, 20, 249 –272.
- Steinberg, L., & Morris, A. S. (2001). Adolescent development. *Annual Review of Psychology*, 52, 83 – 110
- Stocker, C. (1994). Children's perceptions of relationships with siblings, friends, and mothers: Compensatory processes and links with adjustment. *Journal of Child Psychology and Psychiatry*, 35, 1447-1459
- Stocker, C., Dunn, J., Plomin, R. (1989). Sibling relationships: Links with child temperament, maternal behaviour, and family structure. *Child Development*, 60, 715-727.
- Stormshak, E. A., Bellanti, C., & Bierman, K. L. (1996). The quality of sibling relationships and the development of social competence and behavioral control in aggressive children. *Developmental Psychology*, 32, 79-89
- Strohmeier, D., Fandrem, H., & Spiel, C. (2012). The need for peer acceptance and affiliation as underlying motive for aggressive behavior and bullying others among immigrant youth living in Austria and Norway. *Journal of Psychology*, 28(3), 695-704

- Strong, B., DeVault, C. & Cohen, T.F. (2008). *The Marriage and family Experience: Intimate Relationships in a Changing Society* (10th ed). United States of America: Thomson Wadsworth
- Sutton, L. (1996). Gender differences in sibling/parent relationships and adjustment. *Dissertation Abstracts International*, 57(3B), 2183.
- Talib, J., Mohamad, Z., & Mamat, M. (2011). Effects of parenting style on children development. *World Journal of Social Sciences*, 1(2), 14-35.
- Tamis-LeMonda, C. S., Briggs, R. D., McClowry, S. G., & Snow, D. L. (2009). Maternal control and sensitivity, child gender, and maternal education in relation to children's behavioral outcomes in African American families. *Journal of Applied Development Psychology*, 30, 321–331.
- Tamrouiti-Makkink, I. D., Dubas, J. S., Gerris, J. R. M., Aken, M. A. G. (2004). The relationship between the absolute level of parenting and differential parental treatment with adolescent siblings adjustment. *Journal of Child Psychology and Psychiatry*, 45(8), 1397-1406.
- Tang, K. (2017). Parenting styles of Muslims. Retrieved from <http://oureverydaylife.com/parenting-styles-muslims-5489.html>
- Teoh, H.J., & Woo, P.J. (2000). Malaysian youth mental health and wellbeing survey. Retrieved from www.ippbm.gov.my/v2/index.php?option=com
- Thompson R A. (2006). The development of the person: Social understanding, relationships, conscience, self. Retrieved from https://www.researchgate.net/publication/229726417_The_Development_of_the_Person_Social_Understanding_Relationships_Conscience_Self
- Tucker, C. J., McHale, S. M., & Crouter, A. C. (2003). Dimensions of mothers' and fathers' differential treatment of siblings: Links with adolescents' sex-typed personal qualities. *Family Relations*, 52(1), 82–89.
- Trentacosta, C. J., & Shaw, D. S. (2009). Emotional self-regulation, peer rejection, and antisocial behavior: Development associations from early childhood to early adolescence. *Journal of Applied Developmental Psychology*, 30, 356–365.
- Unicef. (2011). *Adolescence: A State of Opportunity*. Retrieved from [https://www.unicef.org/malaysia/SOWC-2011-Adolescence-Malaysia-Web\(Final\).pdf](https://www.unicef.org/malaysia/SOWC-2011-Adolescence-Malaysia-Web(Final).pdf)
- Unit Perancang Ekonomi. (2017). *Jabatan Perdana Menteri*. Retrieved from <http://www.epu.gov.my/ms/sosio-ekonomi/pendapatan-kemiskinan-isi-rumah>

- Updegraff, K. A., McHale, S. M., & Crouter, A. C. (2002). Adolescents' sibling relationship and friendship experiences: Developmental patterns and relationship linkages. *Journal of Social Development, 11*(2), 182-204.
- Vandeleur, C. L., Jeanprete, N. & Perrez, M. (2009). Cohesion, satisfaction with family bonds and emotional well being in families with adolescents. *Journal of Marriage and Family, 71* (5), 1205.
- Vera-Villarroel, P., Celis-Atenas, K., Lillo, S., Centeras, D., Diaz-Padro, N., Torres, J., Vargas, S., Oyanedel, J.C., & Paez, D. (2015). Towards a model of psychological well being. The role of socioeconomic status and satisfaction with income in Chile. *Universal Psychology, 14*(3).
- Volling, B. L., & Belsky, J. (1992). The contribution of mother child and father child relationships to the quality of sibling interaction: A longitudinal study. *Child Development, 63*, 1209-1222.
- Volling, B. L., & Blandon, A.Y. (2003). Positive indicators of sibling relationship quality: psychometric analyses of the sibling inventory of behavior (SIB). Retrieved from https://www.childtrends.org/wp-content/uploads/2013/05/Child_Trends-2003_03_12_PD_PDConfVollBlan.pdf
- Waldman, I. D., Hulle, C. A. V., Pardini, D., Tackett, J. L., Applegate, B., Frick, P. J., & Lahey, B. B. (2011). Child and adolescent conduct disorder substantially shares genetic influences with three socioemotional disposition. *Journal of Abnormal Psychology, 120*(1), 57-70.
- Wentzel, K. R., Barry, C., & Caldwell, K. (2004). Friendships in middle school: Influences on motivation and school adjustment. *Journal of Educational Psychology, 96*, 195–203.
- Wentzel, K. R., & Caldwell, K. A. (1997). Friendships, peer acceptance, and group membership: Relations to academic achievement in middle school. *Child Development, 68*, 1198–1209.
- Whiteman, S. D., Jensen, A. C. & Maggs, J. L. (2013). Similarities in Adolescent Siblings' substance use: Testing competing pathways of influence. *Journal Studies of Alcohol and Drugs, 74* (1), 107-113.
- Whitesell, M., Bachand, A., Peel, J., & Brown, M. (2013). Familial, social and individual factors contributing to risk for adolescent substance use. *Journal of Addiction, 2013*.
- Williams, L. R., & Steinberg, L. (2011). Reciprocal relations between parenting and adjustment in a sample of juvenile offenders. *Child Development, 82*, 633–645

- Wilson, S., Rack, J., Shi, X., & Norris, A. (2008). Comparing physically abusive, neglectful, and non-maltreating parents during interactions with their children: A meta-analysis of observational studies. *Child Abuse & Neglect*, 32, 897–911
- Wong, S. Y., & Lua, P. L. (2011). Anxiety and depressive symptoms among cin the east coast of peninsular Malaysia: A rural exploration. Retrieved from <http://www.mjpsychiatry.org/index.php/mjp/article/viewFile/143/119>
- Woodward, L. J., & Fergusson, D. M. (1999). Childhood peer relationship problems and psychosocial adjustment in late adolescence. *Journal of Abnormal Child Psychology*, 27, 87–104
- Yaacob, S.N., Juhari, R., Talib, M.A., & Uba, I. (2009). Loneliness, stress, self esteem and depression among Malaysian adolescents. *Jurnal Kemanusiaan*. Retrieved from http://www.fppsm.utm.my/download/doc_view/198-loneliness-stress-self-esteem-and-depression-among-malaysian-adolescents.html
- Yeoh, J. P. S., & Yeoh, P. A. (2015). Competitiveness between ethnic Malays and ethnic Chinese in Malaysia. *Journal of Psychology*, 2(1)
- Young, M. H., Miller, B. C., Norton, M. C., & Hill, E. J. (1995). The effect of parental supportive behaviors on life satisfaction of adolescent offspring. *Journal of Marriage and Family*, 57, 813-822
- Youngblade, L. M., Theokas, C., Schilensberg, J., Curry, L., Huang, I. C. & Novak, M. (2007). Risk and Promotive Factors in Families, Schools and Communities: A Contextual Model of Positive Youth Development in Adolescence. *Pediatrics*, 119(1).
- Zimmerman, P. (2004). Attachment represents and characteristics of friendship relations during adolescence. *Journal of Exploratory Child Psychology*, 88, 83–101.
- Zimmerman, M. A., Salem, D. A., & Maton, K. I. (1995). Family structure and psychosocial correlates among urban African-American adolescent males. *Child Development*, 66, 1598-1613
- Zhang, B., Zhao, F., Ju, C. & Ma. (2015). Paternal Involvement as Protective Resources of Adolescent's Resilience: Roles of Male Gender - Role Stereotype and Gender. *Journal of Family and Child Studies*, 24, 1955-1965
- Zulkefly, N.S., & Wilkinson, R.B. (2015). Measuring specific attachment relationships of mother, father and peer in Malaysian adolescents. *Child Indicator Research*, 8(4), 767-788
- Zosuls, K. M., Miller, C. F., Ruble, D. N., Martin, C. L., & Fabes, R. A. (2011). Gender development research in sex roles: Historical and future directions. *Sex Roles*. 64(11-12), 826-842.