

Siri Prestasi Penerbitan UPM  
Vol. 1



**STATISTIK PRESTASI**  
**PENERBITAN UPM 2012-2014**  
*UPM PUBLICATION*  
*PERFORMANCE STATISTICS*  
*2012-2014*

**Disediakan oleh /Prepared by:**

Bahagian Sokongan Penyelidikan  
*Research Support Division*  
Perpustakaan Sultan Abdul Samad  
Universiti Putra Malaysia

*Jun / June 2015*

Siri Prestasi Penerbitan UPM  
Vol. 1

STATISTIK PRESTASI PENERBITAN UPM 2012-2014  
*UPM PUBLICATION PERFORMANCE*  
*STATISTICS 2012-2014*

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Jun / *June* 2015

**Statistik Prestasi Penerbitan UPM 2012-2014**  
**UPM Publication Performance Statistics 2012-2014**

Siri Prestasi Penerbitan UPM: Vol. 1

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## Kata Pengantar

Laporan statistik ini ialah statistik pertama dihasilkan oleh Bahagian Sokongan Penyelidikan, Perpustakaan Sultan Abdul Samad, Universiti Putra Malaysia.

Pengumpulan data untuk penerbitan statistik ini telah dijalankan pada 10 hingga 14 April 2015. Sumber data yang digunakan ialah data daripada pangkalan data Scopus yang diterbitkan oleh Elsevier. Ia meliputi data penerbitan UPM yang diterbitkan bagi tahun 2012 hingga 2014. Kata kunci yang digunakan dalam carian ialah "Universiti Putra Malaysia" yang dihadkan kepada penerbitan tahun 2012-2014 sahaja.

Mudah-mudahan, laporan statistik ini akan membantu penyelidik mengetahui secara umum prestasi penerbitan UPM.

## *Foreword*

*This statistical report is the first to be published by the Research Support Division, Perpustakaan Sultan Abdul Samad, Universiti Putra Malaysia.*

*Data collection for this study was conducted on 10 to 14 April 2015. The data sources used are from Scopus database published by Elsevier. It covers UPM publication data published in 2012 to 2014. The keyword used in the search is "Universiti Putra Malaysia" limiting to publications published in 2012-2014.*

*It is hoped, this statistical report will help researchers to understand in general the performance of UPM publication.*





Jadual 1. Bilangan Rekod Bagi Penerbitan UPM Tahun 2012-2014

Table 1. Number of Record of UPM Publication Published in 2012-2014

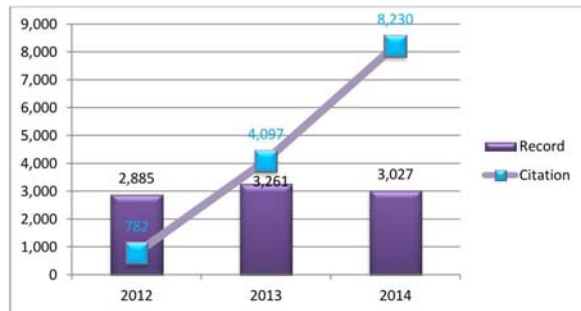
Tahun Penerbitan <i>Year of Publication</i>	Bilangan Record <i>Number of Record</i>
2012	2,885
2013	3,261
2014	3,027
Total	9,173

Jadual 2. Bilangan Petikan Bagi Penerbitan UPM Tahun 2012-2014

Table 2. Number of Citation of UPM Publication Published in 2012-2014

Tahun Petikan <i>Year of Citation</i>	Bilangan Petikan <i>Number of Citation</i>
2012	782
2013	4,097
2014	8,230
Total	13,109





Rajah 1. Bilangan Rekod Berbanding Bilangan Petikan Bagi Penerbitan UPM Tahun 2012-2014

Figure 1. Number of Record vs. Number of Citation of UPM Publication Published in 2012-2014

Jadual 3. Petikan Per Rekod Bagi Penerbitan UPM Tahun 2012-2014

Table 3. Citation Per Record of UPM Publication 2012-2014

Tahun Year	Bilangan Rekod Number of Record	Bilangan Petikan Number of Citation	Petikan/Rekod Citation/Record
2012 - 2014	9,173	13,109	1.43

h-indeks = 30

(daripada 9173 dokumen dipertimbangkan untuk h-indeks, 30 rekod telah dirujuk sekurang-kurangnya sebanyak 30 kali)

h-index = 30

(of the 9173 documents considered for the h-index, 30 records have been cited at least 30 times)



Jadual 4. Bilangan Rekod Per Akademik Bagi Penerbitan UPM Tahun 2012-2014  
*Table 4. Number of Record Per Academician of UPM Publication 2012-2014*

Tahun Penerbitan <i>Year of Publication</i>	Bilangan Rekod <i>Number of Record</i>	*Bilangan Akademik <i>*Number of Academician</i>	Rekod/Akademik <i>Record/Academician</i>
2012	2,885	1,654	1.74
2013	3,261	1,618	2.02
2014	3,027	1,810	1.67

\* Bilangan ahli akademik berdasarkan KPI UPM untuk ahli akademik  
*\*Number of academician based on UPM KPI for academician*

Jadual 5. Bilangan Petikan Per Akademik Bagi Penerbitan UPM Tahun 2012-2014

*Table 5. Number of Citation Per Academician of UPM Publication 2012-2014*

Tahun Petikan <i>Year of Citation</i>	Bilangan Petikan <i>Number of Citation</i>	*Bilangan Akademik <i>*Number of Academician</i>	Petikan/Akademik <i>Citation/Academician</i>
2012	782	1,654	0.47
2013	4,097	1,618	2.53
2014	8,230	1,810	4.55

\* Bilangan ahli akademik berdasarkan KPI UPM untuk ahli akademik  
*\*Number of academician based on UPM KPI for academician*





Jadual 6. Jenis Dokumen Bagi Penerbitan UPM Tahun 2012-2014  
 Table 6. Document Type of UPM Publication Published in 2012-2014

Jenis Dokumen <i>Document Type</i>	Bilangan Rekod <i>Number of Record</i>
Artikel / <i>Article</i>	7,118
Kertas Persidangan / <i>Conference Paper</i>	1,390
Ulasan / <i>Review</i>	342
Artikel dalam Proses Penerbitan / <i>Article in Press</i>	179
Bab dalam Buku / <i>Book Chapter</i>	44
Editorial / <i>Editorial</i>	29
Nota / <i>Note</i>	20
Surat / <i>Letter</i>	18
Kesilapan / <i>Erratum</i>	16
Kajian Pendek / <i>Short Survey</i>	12
Buku / <i>Book</i>	5
<b>Jumlah / <i>Total</i></b>	<b>9,173</b>





Jadual 7. Bahasa Digunakan Dalam Penerbitan UPM Tahun 2012-2014  
*Table 7. Language Used of UPM Publication Published in 2012-2014*

Bahasa <i>Language</i>	Bilangan Rekod <i>Number of Record</i>
Bahasa Inggeris / <i>English</i>	9,152
Bahasa Melayu / <i>Malay</i>	20
Bahasa Indonesia / <i>Indonesian</i>	6
Bahasa Poland / <i>Polish</i>	6
Bahasa Sepanyol / <i>Spanish</i>	6
Bahasa Perancis / <i>French</i>	4
Bahasa Jerman / <i>German</i>	2
Bahasa Persia / <i>Persian</i>	2
Bahasa Portugis / <i>Portuguese</i>	2
Bahasa Arab / <i>Arabic</i>	1
Bahasa Bosnia / <i>Bosnian</i>	1
Bahasa Croatia / <i>Croatian</i>	1
Bahasa Slovenia / <i>Slovene</i>	1
Bahasa Turki / <i>Turkish</i>	1





Jadual 8. Disiplin Perkara Bagi Penerbitan UPM Tahun 2012-2014  
 Table 8. Subject Area of UPM Publication Published in 2012-2014

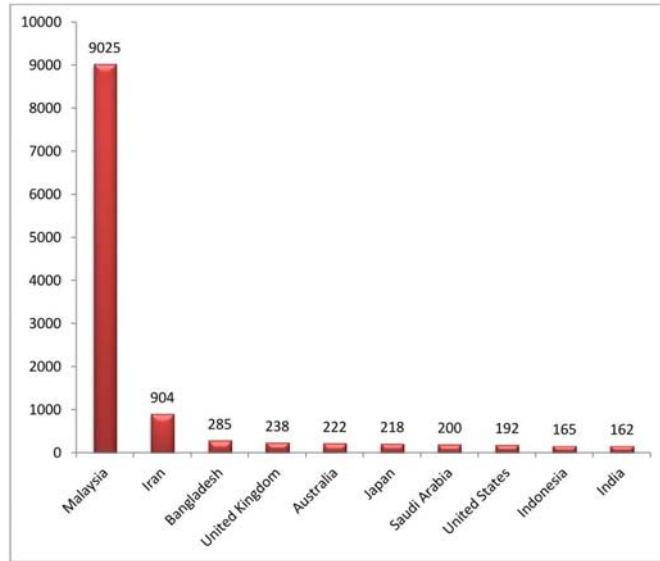
Disiplin Perkara <i>Subject Area</i>	Bilangan Rekod <i>Number of Record</i>
Sains Pertanian dan Biologi <i>Agricultural and Biological Sciences</i>	2,069
Kejuruteraan <i>Engineering</i>	1,718
Biokimia, Genetik dan Biologi Molekul <i>Biochemistry, Genetics and Molecular Biology</i>	1,286
Perubatan <i>Medicine</i>	1,232
Sains Persekitaran <i>Environmental Science</i>	1,104
Sains Komputer <i>Computer Science</i>	964
Kimia <i>Chemistry</i>	935
Sains Bahan <i>Materials Science</i>	803
Sains Sosial <i>Social Sciences</i>	734
Kejuruteraan Kimia <i>Chemical Engineering</i>	715
Fizik dan Astronomi <i>Physics and Astronomy</i>	682
Matematik <i>Mathematics</i>	575
Pelbagai Disiplin <i>Multidisciplinary</i>	420
Ekonomi, Ekonometrik dan Kewangan <i>Economics, Econometrics and Finance</i>	400
Kesenian dan Kemanusiaan <i>Arts and Humanities</i>	391
Imunologi dan Mikrobiologi <i>Immunology and Microbiology</i>	384
Perniagaan, Pengurusan dan Perakaunan	383





Disiplin Perkara <i>Subject Area</i>	Bilangan Rekod <i>Number of Record</i>
<i>Business, Management and Accounting</i>	
Tenaga <i>Energy</i>	300
Farmakologi, Toksikologi dan Pharmaceutics <i>Pharmacology, Toxicology and Pharmaceutics</i>	273
Bumi dan Sains Planetary <i>Earth and Planetary Sciences</i>	256
Veterinar <i>Veterinary</i>	204
Kejururawatan <i>Nursing</i>	134
Psikologi <i>Psychology</i>	52
Sains Keputusan <i>Decision Sciences</i>	34
Sains Neuro <i>Neuroscience</i>	29
Profesion Kesihatan <i>Health Professions</i>	14
Pergigian <i>Dentistry</i>	4



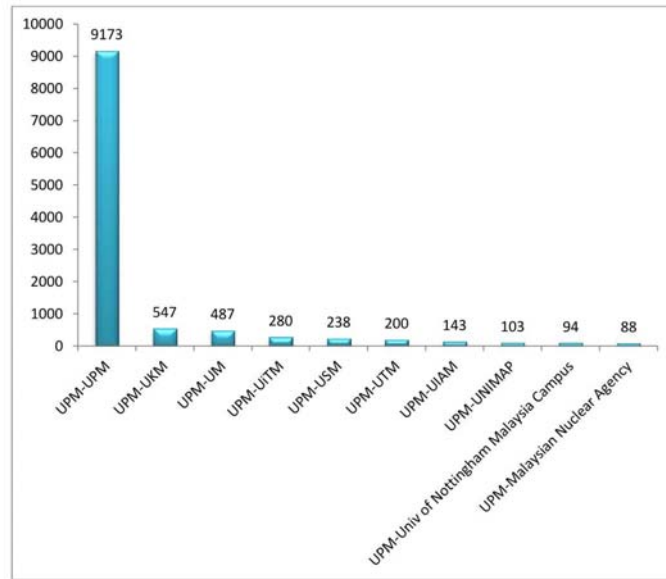


Rajah 2. Kerjasama Penyelidik UPM dengan Sepuluh Negara Teratas Bagi Penerbitan Tahun 2012-2014

Figure 2. UPM Collaboration with Researchers from Top Ten Country for Publication Published in 2012-2014



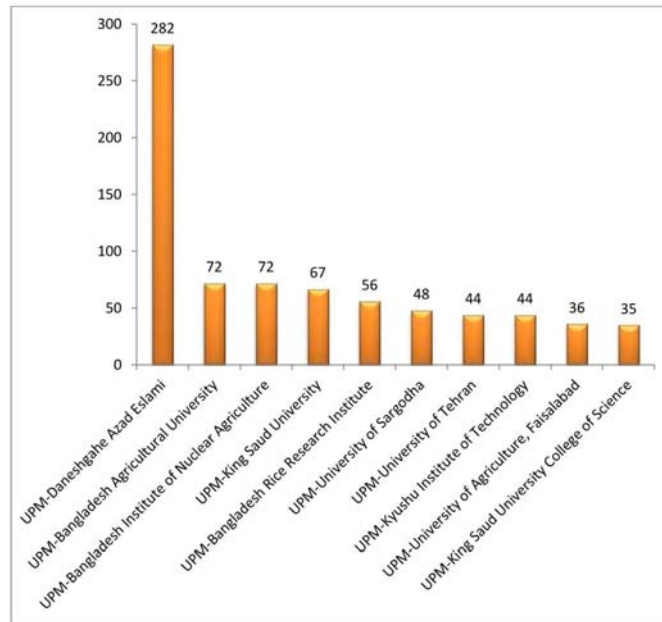




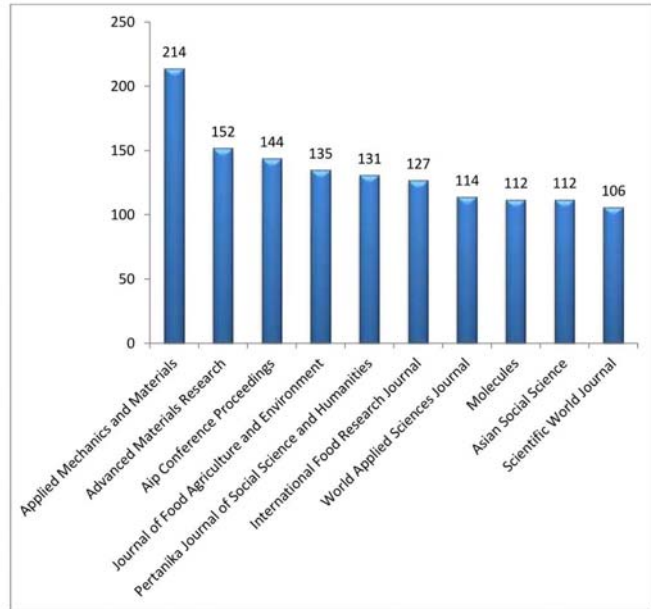
Rajah 3. Kerjasama UPM dengan Sepuluh Institusi Tempatan Teratas Bagi Penerbitan Tahun 2012-2014

Figure 3. Top Ten UPM Collaboration with Local Institutions for Publication Published in 2012-2014





Rajah 4. Kerjasama UPM dengan Sepuluh Institusi Luar Negara Teratas Bagi Penerbitan Tahun 2012-2014  
*Figure 4. Top Ten UPM Collaboration with International Institutions for Publication Published in 2012-2014*



Rajah 5. Penerbitan UPM dalam Sepuluh Jurnal Teratas Bagi Penerbitan Tahun 2012-2014

Figure 5. UPM Publication in Top Ten Journal for Publication Published in 2012-2014





Jadual 9. Sepuluh Petikan Teratas bagi Penerbitan UPM Tahun 2012-2014

Table 9. Top Ten Citation of UPM Publication Published in 2012-2014

Tahap Rank	Maklumat Bibliografi <i>Bibliographic Information</i>	Bilangan Petikan <i>Number of citation</i>
1.	Pourghasemi H.R., Pradhan B., Gokceoglu C. (2012). Application of fuzzy logic and analytical hierarchy process (AHP) to landslide susceptibility mapping at Haraz watershed, Iran. <i>Natural Hazards</i> . 63(2):965-996.	56
2.	Mohamed S., Hashim S.N., Rahman H.A. (2012). Seaweeds: A sustainable functional food for complementary and alternative therapy. <i>Trends in Food Science and Technology</i> . 23(2): 83-96.	54
3.	Pradhan B. (2013). A comparative study on the predictive ability of the decision tree, support vector machine and neuro-fuzzy models in landslide susceptibility mapping using GIS. <i>Computers and Geosciences</i> . 51:350-365.	53
4.	Mazloomi K., Gomes C. (2012). Hydrogen as an energy carrier: Prospects and challenges. <i>Renewable and Sustainable Energy Reviews</i> . 16(5):3024-3033.	49
5.	Akgun A., Sezer E.A., Nefeslioglu H.A., Gokceoglu C., Pradhan B. (2012). An easy-to-use MATLAB program (MamLand) for the assessment of landslide susceptibility using a Mamdani fuzzy algorithm. <i>Computers and Geosciences</i> . 38(1):23-34.	48
6.	Pulliam J.R.C., Epstein J.H., Dushoff J., Rahman S.A., Bunning M., Jamaluddin A.A., Hyatt A.D., Field H.E., Dobson A.P., Daszak P. (2012). Agricultural intensification, priming for persistence and the emergence of Nipah virus: A lethal bat-borne zoonosis. <i>Journal of the Royal Society Interface</i> . 9(66):89-101.	46
7.	Althuwaynee O.F., Pradhan B., Lee S. (2012). Application of an evidential belief function model in landslide susceptibility mapping. <i>Computers and Geosciences</i> . 44:120-135.	45
8.	Abdul Khalil H.P.S., Bhat I.U.H., Jawaid M., Zaidon A., Hermawan D., Hadi Y.S. (2012). Bamboo fibre reinforced biocomposites: A review. <i>Materials and Design</i> . 42: 353-368.	43



Tahap Rank	Maklumat Bibliografi <i>Bibliographic Information</i>	Bilangan Petikan <i>Number of citation</i>
8.	Bachok N., Ishak A., Pop I. (2012). Unsteady boundary-layer flow and heat transfer of a nanofluid over a permeable stretching/shrinking sheet. <i>International Journal of Heat and Mass Transfer</i> . 55(7-8):2102–2109.	43
9.	Halim R., Harun R., Danquah M.K., Webley P.A. (2012). Microalgal cell disruption for biofuel development. <i>Applied Energy</i> . 91(1):116–121.	42
9.	Soleimany F., Jinap S., Abas F. (2012). Determination of mycotoxins in cereals by liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> . 130(4):1055–1060.	42
10.	Shameli K., Ahmad M.B., Zamanian A., Sangpour P., Shabanzadeh P., Abdollahi Y., Zargar M. (2012). Green biosynthesis of silver nanoparticles using <i>Curcuma longa</i> tuber powder. <i>International Journal of Nanomedicine</i> . 7:5603-5610.	41





## GLOSARI GLOSSARY

a. Petikan - Satu senarai rujukan atau bibliografi yang disebut oleh penulis, biasanya disenaraikan pada akhir kerja. Istilah lain yang digunakan adalah rujukan.

*a. Citation - A list of references or a bibliography cited by the author, usually listed at the end of work. Another term used is reference.*

b. H-indeks - Jumlah petikan yang diterima oleh seorang pengarang berbanding jumlah penerbitan. Sebagai contoh, H-indeks 3, bermakna 3 daripada penerbitan menerima sekurang-kurangnya tiga petikan. H-indeks juga boleh digunakan untuk jurnal, institusi dan negara.

*b. H-index - The number of citations received by an author compared to the number of publications. For example, H-index of 3, meaning 3 of the publications received at least three citations. H-index could also be used for journals, institutions and countries.*

c. Scopus - pangkalan data pengindeksan yang meliputi pelbagai bidang dan data. Penerbitan termasuk artikel, kertas persidangan, artikel dalam proses penerbitan, ulasan, nota, surat dan bahan editorial.

*c. Scopus - indexing database that covers various fields and data. Publications include the article, conference paper, article in press, reviews, notes, letter and editorial material.*

d. Petikan / Akademik - Purata bilangan petikan yang diterima oleh seorang ahli akademik di institusi.

*d. Citations / Academician - The average number of citations received by an academic in an institution.*

e. Petikan / Rekod - Purata bilangan petikan yang diterima oleh rekod penerbitan dalam sebuah institusi.

*e. Citations / Record - The average number of citations received by a record of publications in an institution.*

f. Rekod / Akademik - Purata bilangan rekod ahli akademik di institusi.

*f. Records / Academician - The average number of records of a member of an academic in an institution.*



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