

RA1029:Climate Change Impact on Poverty: Discussion on Poverty Eradication Strategy by Sex Disaggregation

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Abstract: This paper has three objectives. First, to profile the socioeconomic backgrounds of the respondents who had experience on household income declined due to climate change (CCE) (RO1); to measure the relationship between poverty eradication strategy (PES) and sex of respondents by CCE (RO2); and to identify the significant PES by sex of respondents (RO3). There are four (4) types of CCE and 13 types of PES results 420 null hypothesis (under Ho₁-Ho₄ category respectively) to be tested under Chi Square test and Custom Table for RO2; and only 3-Hos had been rejected. Thus 3-PES had significant ($p < 0.05$) relationship with sex only among 'YES moderately' CCE of respondents: S2, S8 and S11; and in all of these PES respectively, more female than male respondents use it to eradicate poverty of their households. Two Hos were tested using Binary Logistic Regression (BLR) Models to achieve RO3 - Ho₅ (male) and Ho₆ (female); and both models are significant. Only S8 (using water and energy-saving systems) is a significant ($p < 0.05$) predictor (for male or female respondents) in both models respectively. Thus Ho₅ was rejected because the findings indicate that male respondents in this paper are not using water and energy-savings system as one of the PES for their households (odds=4.968). The Ho₆ was also rejected because the findings indicate that female respondents in this paper are using water and energy-savings system as one of the PES for their households because odds=0.201 shows less 79.90 likelihood that female respondents not using S8. The findings highlight on traditional gender roles where utilities management of the households is part of women role, and therefore "water and energy-savings system" is part of PES by women than men for their households.

Keywords: *climate change, poverty, gender, energy savings, aid program*