ANALYSIS OF FACTORS THAT INFLUENCE GENDER DEVELOPMENT INDEX (GDI) BY USING PROBIT REGRESSION

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ABSTRACT

Nowadays, attention to gender-based development has became greater, include in Indonesia. Due to the success of development is highly dependent on the participation of the entire population of both men and women. Gender in this case is not just about the biological and physical differences between men and women but rather refers to the differences between men and women in the roles, behaviors, activities, and matters relating to the social. The difference achievement that illustrates the gap between men and women can be explained by Gender Development Index (GDI). To determine the factors that affect the GDI, this study uses probit regression method. Probit regression is one of regression method that used to describe the relationship between dependent variable which is a discrete variable and independent variable which are discrete, continuous, or a mixture of them. Factors affecting the GDI on the male population are school participation rates in elementary school/equals and sex ratio at birth. While the factor that affect the GDI on the female population are school participation rates in high school/equals, labor force participation rates, PPP, and sex ratio at birth.

Keywords: Regression, Probit, Gender Development Index