ANALYSIS OF SUSTAINABLE DEVELOPMENT INDICATORS in JAWA TIMUR WITH STRUCTURAL EQUATION MODELLING- PARTIAL LEAST SQUARES

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Abstract
The main objective of development is to improve people’s prosperity. Therefore, it should be a concept of sustainable development defined as development that trying to meet the needs of the present day without decreasing the ability of future generations to meet their needs. Indicators of Sustainable Development can be measured with some constructs (latent variables) along with the indicator. This research as a purpose to identify the variables that affect sustainable development and to know the effect of the variable on the process of continuing development in East Java. The data used is the 2007 SUSENAS data and Macro Economic Indicators of East Java in 2007 to consist of 38 districts. This research using Structural Equation Modelling-Partial Least Square with the bootstrap method. The results that the Sustainable Development Indicators in East Java to construct Human Resources is the literacy rate, school participation rate and the rate of open unemployment. Economics is an indicator of the construct of the poverty line, the ground floor and GDP. Indicator of the construct of quality of life is water, life expectancy rate, prevalence of malnutrition and sanitation. Constructs of Human Resources of Economics there are positive influences. This means the higher of Human Resources in the district of East Java, the higher the level of the economy. Effect of construct Human Resources and Economy on the Quality of Life is a positive significant effect.

Keywords: Sustainable Development Indicators, constructs, SEM-Partial Least Square, Bootstrap