

## ABSTRACT

*High economic growth has attracted the attention of economists, researchers, and politicians. Economic growth is considered responsible for the degradation of the environment, which emerged as the most significant problems caused by the high economy measured by GDP per capita. This study aims to prove that GDP tends to encourage high environmental degradation, mainly supporters of the four sectors that are discussed in this study.*

*The data used in this study is a secondary data span method (time series), this study investigated the CO<sub>2</sub> emission in 30 districts / municipalities in Central Java during the years 2009 to 2010 and GDP per capita in 30 districts / municipalities in Central Java in the same. With a special focus on the relationship with GDP per capita CO<sub>2</sub> emissions to the positive and negative values resulting from various sectors such as agriculture, industry, transportation, and forestry.*

*The empirical results indicate a positive and significant relationship between the Transport Sector and Forests to Emmission CO<sub>2</sub> emissions its 0,04 and Forest Sector to Emmision CO<sub>2</sub> its 0,00.*

*Keywords: GDP per capita, CO<sub>2</sub> Emissions, Industry, Transport, Agriculture and Forestry Externalities*