

CHAPTER V

CONCLUSIONS AND SUGGESTIONS

A. Conclusion

The results of the analysis that have been carried out by researchers are intended to answer the questions and problem formulations that have been raised in chapter I, then the answers to the problem formulation and also the conclusions of the research on "Analysis of the Effects of CO₂ Gas Emissions, Energy Consumption, and Unemployment Rates in 6 ASEAN Countries: Regression Panel Data" include:

1. There is no positive and significant influence between CO₂ gas emissions on economic growth in 6 ASEAN countries, this shows that the higher and increasing variable CO₂ gas emissions, the economic growth in 6 ASEAN countries will decrease.
2. There is no positive and significant influence between energy consumption on economic growth in 6 ASEAN countries, this shows that the increasing variable energy consumption, the economic growth in 6 ASEAN countries will decrease.
3. There is no positive and significant influence between unemployment and economic growth in the 6 ASEAN countries, this shows that the higher and increasing the unemployment rate, the economic growth in the 6 ASEAN countries will decrease.

B. Implication

Research conducted by researchers shows the results in the form of several suggestions that can be given to the academic environment, writers, and to the government. These suggestions include:

1. **Theoretical uses**

- a. For the academic environment, the results of this study are expected to add insight, knowledge, and literature review related to the effect of CO₂ gas emissions, energy consumption, and unemployment rates in 6 ASEAN countries. Especially for other researchers in the future who have the desire to study more deeply about the effect of CO₂ gas emissions, energy consumption, and unemployment rates on economic growth, especially in 6 ASEAN countries. So it is even better if the researcher modifies the independent variable by replacing or adding variables, or by changing the units used by each variable. So it will produce more objective and more varied results.
- b. The author hopes that further research on the method studied can be used as reference material for the government and society to increase economic growth. The author realizes that this study still has shortcomings, researchers hope that further researchers can present better data results in the future.

2. Practical Usability

- a. Researchers hope that the results of this study can be considered by the government in formulating policies, especially in order to achieve sustainable economic growth, it is important to develop policies and strategies that pay attention to energy efficiency, diversification of energy sources, and the application of renewable energy. These efforts can help reduce dependence on fossil energy, reduce negative environmental impacts, and achieve sustainable economic growth in the long term. In addition, addressing the problem of unemployment and encouraging sustainable job creation is important to stimulate economic growth. Government policies that support skills training, industrial sector development, and increased investment can help address the negative impact of the unemployment rate on economic growth.

C. Research Limitations

This study uses secondary data with a period of 2000-2019 in 6 ASEAN member countries. This is a limitation that researchers can further develop by increasing the number of countries or expanding the time span. Limitations in data availability are the main limitations of this study because this study uses panel data that requires research objects and a wide time span and the lack of availability of related data. There are independent variables whose results do not match the hypothesis. This variable is theoretically relevant to economic growth but is not measurable in this study. This can be developed and improved by subsequent researchers by changing the unit variable or changing the variable itself.

