

## ABSTRACT

Diponegoro University based on its strategic plan in 2010 Strategic Plan is a high education having vision and mission to be prominent and qualified research university. Based on its plan, the measurement of research performance efficiency is very important to know the extent of achieved target achievement. The qualitative and quantitative performance measurement will give problem to its assessment process, so, it is very important to conduct a research aggregating the differences of performance achievement indicator variables.

This research aims to analysis the university and faculty performance in the research field using Data Envelopment Analysis model, to calculate the efficiency value in research performance achievement in the university and each faculty, to know the research performance achievement based on the university target in the obtained desired stage. The used input variables are the research fund allocation (DP2M or non DP2M) and the lecturers as the human resources (based on functional), while the output variables are including journal publication (national, international, non-accredited national), papers presented in seminar (national, international, regional), HAKI-*intellectual property rights*, research cooperation, text-book based on research and other outputs.

The research result shows that the university performance efficiency using Data Envelopment Analysis (DEA) gives 100% of efficiency value during the period of 2010, 1011, 2012, and 2013. This shows that there is no spent budget allocation inefficiency and possessed lecturer inefficiency as the human resources to the desired output from the output variables are journal publication (national, international, non-accredited national), papers presented in seminar (national, international, regional), HAKI-intellectual property rights, research cooperation, text-book based on research and other outputs. On a scale of faculty shows the results of the efficiency of 100% except in the Faculty of Economics and Business in 2010 amounted to 60.75%, Faculty of Humanities at 72.88% (2011) and 70.84% (2012), while the Faculty of Engineering at 85.94% (2011 ) and the Faculty of Social and Political Sciences 67.99% (2013). Efficient conditions within a few years on the faculty can be improved to be more efficient by increasing output and reducing the input in order to achieve the condition becomes more efficient.

*Keywords:* Research Performance Efficiency, Data Envelopment Analysis (DEA), Diponegoro University