SUMMARY

MOHAMAD NUR HADI. Efficiency Analysis of Public Funds for Education Activity in the Bogor Agricultural University Using Data Envelopment Analysis. Supervised by HERMANTO SIREGAR and HENDRO SASONGKO.

Bogor Agricultural University (IPB) has an autonomy in the management university. The Autonomy is according to UU Number 12 on 2012 section 63 should be implemented on the principles of accountability, transparency, non-profit, quality assurance, and the effectiveness and efficiency. Until 2014, IPB has the principles of accountability and transparency shown by the financial statements which have been audited by Public Accountant. Non-profit principle was through by single SPP system. The principles of quality assurance at IPB implemented by the establishment of two offices in charge of preparing the rules and oversee the implementation of quality in IPB. The principle of effectiveness is currently done by structuring the activities in the work plan and budget (RKA) in accordance with the objectives and strategic plan of the University. And for efficiency principal, IPB not yet take measurements especially in the operations of IPB.

The method used in this study consisted of three stage, the first stage is to determine the relationship between input and output using Pearson correlation method. The second stage is to determine the level of efficiency of the Department using Data Envelopment Analysis (DEA). And the third stage is to determines factor factors that affect the level of efficiency of the Department by using Tobit regression method.

The results of the efficiency level using VRS DEA method shows the value level of efficiency in the period 2012-2014 is divided into four groups, first, the DMU were always efficient (always obtain a value of 1) in periode 2012-2014. Second, the Department always increase to the point efficiently. Third, the Department always increase but still below the level of efficiency. fourth, Department of decreasing the level of efficiency. Inefficiency in the Department obtained using tobit regression with the following results: The number of teachers are affect the level of efficiency (Prob. 0.0814) at a significant value $\alpha = 0.10$ to positively influence and Total students are affect the level of efficiency (Prob. 0.1437) at $\alpha = 0.15$ with a significant influence negatively.

This research result in recommendation as follows: 1) The Department already scored one must maintain the value of output in the level of efficiency, 2) the Department in increasing and decreasing should continue to increase output like the number of graduates and the number of student achievement in international level and national level, 3) To increase the level of efficiency of the Department also necessary to increase the ratio of lecturers to students.

Keywords: DEA, efficiency, higher education, tobit.