MINISTRY NATIONAL EDUCATION
FACULTY OF ECONOMIC AND BUSINESS AIRLANGGA UNIVERSITY
STUDY PROGRAM: ECONOMICS
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ABSTRACT

GRADUATE ECONOMIC THESIS

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YEAR OF PREPARATION : 2018

TITLE:

EFFICIENCY PRODUCTION OF SUGAR MILLS IN THE ENVIRONMENT OF PT PERKEBUNAN NUSANTARA X AND XI EAST JAVA

TEXT:

Sugar is one of the most basic needs utilized by the community. This fact brings the consequences of the government's obligation to ensure the availability of sugar in the domestic market at an affordable price level for the community. East Java is a potential province of sugar productivity. Increased efficiency needs to be continuously strived to strengthen the competitiveness of sugar commodities. The purpose of this study is to analyze and measure the level of efficiency production of 25 sugar mills in the environment of PT Perkebunan Nusantara X and PT Perkebunan Nusantara XI in 2013-2017. This study uses Data Envelopment Analysis (DEA) method. The results showed that the average of technical efficiency at 10 sugar mills in East Java has technically efficiency (TE = 1). The results of the analysis also showed that the inefficiency of 15 sugar factories had varied values between 0.920-0.999 where the results showed less optimal in producing the output. The results of the analysis also showed that the inefficient at 15 sugar mills have variated values between 0.920-0.999 which shows less optimal in producing the output.

Keyword: Data Envelopment Analysis (DEA), Decision Making Units, Efficiency, Production Of Sugar.