ANALYSIS OF ELECTRONIC MEDICAL RECORD IMPACT INVESTMENT ON HOSPITAL PRODUCTIVITY GROWTH
(Case Study Surabaya Haji Hospital)

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ABSTRACT

The investment in information technology today has become a necessity that can not be separated from the business. There is a basic assumption stated that the implementation of a technology could increase accompany productivity and also performance of the company became more efficient. Health care facilities such as hospitals, health centers, and others today require the support of information technology, especially in the management of patient records. This technology are more effective and efficient in their use of time, energy, and facilities. One of them is Electronic Medical Record (EMR). EMR is a collection of a patient's medical record that consists of various kinds of information located at different locations and stored digitally in a computer database.
This research will analyze how the effects of information technology investment, especially Electronic Medical Record on the productivity of health care facilities using the Cobb – Douglas method. By using the method of Cobb - Douglas, we expected to be able to determine the extent of influence between capital, labor, and the revenue of IT in health care. The results of the research showed that the productivity of Haji Hospital was 232,582,435 with the elasticity coefficient of capital factor (K) is -1.133, the elasticity coefficient of labor factor (L) is 2.866 and elasticity coefficient of information technology factor (T) is 0.001. It showed that Haji Hospital is on increasing return to scale.

Keywords : Electronic Medical Record, Productivity, Cobb-Douglas.