

## **EFFISIENSI PRODUKSI INDUSTRI SKALA KECIL BATIK SEMARANG: PENDEKATAN FUNGSI PRODUKSI FRONTIER STOKASTIK**

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### **ABSTRACT**

*Batik is known since 17th century. In 2009, UNESCO took batik as the world heritage. Likewise, Batik Semarang. Batik Semarang is unpopular than other batik's products on Central Java. Their productivity is on small scale and only for environment surroundings. The small productivity causes the high price on their product selling. The aims of this research is to estimate the function of production and technical efficiency of batik Semarang. Sample are 67 owners of small scale batik Semarang industry. Analysis instrument is Stochastic Frontier Production Function. The measuring of production efficiency are material, support material, labor force, instruments, kerosene, firewood, and large of trade location. The result shows that free variable is found significant and have an appropriate signal. Other result shows that technical efficiency of batik Semarang industry is 88, 9%*

*Kata kunci : batik Semarang, technical efficiency, Stochastic Frontier Production Function.*