

# Rekayasa Ulang Proses Produksi Logam Mulia Emas Studi Kasus di Perusahaan Tambang = Re-engineering Process of Gold: Case Study in Mining Companies

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## Abstrak

Emas (gold) adalah komoditas berharga yang digunakan di banyak industri. Di Indonesia berdasarkan terdapat 15 Produsen Emas. Salah satu produsen terbesar yaitu PT Antam, Tbk. ("ANTAM") dengan unit bisnis UBPP LM. Proses produksi Logam Mulia emas masih manual, salah satunya didalam bisnis proses manufacturing di UBPP LM mulai weighing sampai dengan engraving terdapat beberapa aktifitas non value added, belum adanya standarisasi cycle time dan digitalisasi yang menyebabkan loss time serta operator memerankan peranan penting didalam proses produksi sehingga apabila terjadi kesalahan dapat menyebabkan ketidaksesuaian produk yang dihasilkan. Tujuan penelitian ini untuk melakukan analisa rekayasa ulang Proses dengan usulan improvement dan target terdapat standarisasi cycle time dan diharapkan terdapat peningkatan produksi dalam proses Produksi Logam Mulia Emas. Mengidentifikasi waste yang ada didalam tahapan proses dengan pendekatan Value Stream Mapping (VSM). serta Optimasi tata letak (layout) demi memenuhi kapasitas produksi Logam Mulia Emas ANTAM.

.....Gold is a valuable commodity used in many industries. In Indonesia, there are 15 gold producers based on records. One of the largest producers is PT Antam, Tbk. ('ANTAM') with its business unit UBPP LM. The production process of precious gold metal is still manual, and one of the businesses process that involves the manufacturing process at UBPP LM, from weighing to engraving, has several non-value added activities due to the lack of cycle time standardization and digitalization, which causes loss of time. Operators play an important role in the production process, and errors on their part can result in product non-conformity. The purpose of this research is to perform a process reengineering analysis with proposed improvements and target of achieving cycle time standardization and an increase in production in the production process of precious gold metal. This involves identifying waste in the process stages using a Value Stream Mapping (VSM) approach and optimizing the layout to meet the production capacity of Antam.