

# Perencanaan penambahan kapasitas produksi untuk memenuhi proyeksi target produksi bahan bakar minyak BBM berdasarkan kapasitas unit proses studi kasus industri pengolahan minyak Indonesia = Planning of production capacity enhancement to meet projection of fuel production target based on process unit capacity case study of Indonesia Oil Refining Industry

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## Abstrak

[Penelitian ini membahas mengenai perencanaan peningkatan kapasitas produksi karena Capacity Availble saat ini tidak mampu memenuhi peningkatan Capacity Requirement yang disebabkan oleh adanya proyeksi peningkatan target produksi BBM. Perencanaan peningkatan kapasitas produksi dilakukan melalui tiga alternatif, yakni alternatif subkontrak, alternatif penambahan mesin, dan alternatif kombinasi penambahan mesin dan subkontrak. Pada tiga alternatif tersebut dilakukan perhitungan kelayakan dan analisis sensitivitas. Hasil dari perhitungan kelayakan dan analisis sensitivitas menunjukkan bahwa tiga alternatif peningkatan kapasitas produksi tersebut layak untuk dilakukan, alternatif subkontrak merupakan alternatif terbaik berdasarkan parameter NPV, dan alternatif penambahan mesin merupakan alternatif terbaik berdasarkan parameter laba rugi.];This study discusses a planning of production capacity enhancement caused by an increase in projection of fuel production target.This planning is done through three alternatives of increasing production capacity, ie subcontracting, adding machine, and combination of adding machine and subcontracting. The three alternatives are conducted in feasibility calculation and sensitivity analysis. Results of the feasibility calculation and sensitivity analysis shows the three alternatives are feasible to do, subcontracting is the best alternative based on NPV, and adding machine is the best alternative based on profit.];This study discusses a planning of production capacity enhancement caused by an increase in projection of fuel production target.This planning is done through three alternatives of increasing production capacity, ie subcontracting, adding machine, and combination of adding machine and subcontracting. The three alternatives are conducted in feasibility calculation and sensitivity analysis. Results of the feasibility calculation and sensitivity analysis shows the three alternatives are feasible to do, subcontracting is the best alternative based on NPV, and adding machine is the best alternative based on profit., This study discusses a planning of production capacity enhancement caused by an increase in projection of fuel production target.This planning is done through three alternatives of increasing production capacity, ie subcontracting, adding machine, and combination of adding machine and subcontracting. The three

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