

## FRESH FRUIT BUNCH QUALITY EFFECTS FOR OIL LOSS AND CRUDE PALM OIL PRODUCTION WITH SEM PLS ANALYSIS METHOD

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### ABSTRACT

*CPO productivity is very important for palm oil entrepreneurs, it has been the benchmark in assessing the performance of oil palm plants. If there is a CPO withdrawal that is not being met by the target, this will result in a loss. One of the factors contributing to the low production of CPO is the amount of oil loss and poor quality of the oil palm bunches. The problem is that not all types of quality affect oil losses and CPO production. The analysis used is SEM PLS intelligent PLS software. The analysis results showed that low CPO production was unripe, abnormal fruit, lost oil loss on station and oil loss in final effluent. The results of the CPO production problem analysis using the SEM PLS analysis method with smartPLS version 3.2.8 showed that the quality of FFB was significantly affected (0.705) in the event of oil loss in the unripe and fruit indicators. while oil losses significantly affected (0.980) CPO production*

**KEYWORDS:** FFB Quality, Oil Losses, CPO & SEM-PLS

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