

***Verification Test of Rubber Sheet Grinding Machine (Sheet Mangel) at RSS  
(Ribbed Smoked Sheet) Processing Factory PTPN XII Kalirejo Gardens  
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***ABSTRACT***

*The performance of the grinding machine has a very large influence on the rubber sheet processing process. To determine the performance of the sheet mangel machine, an evaluation of the machine's performance was carried out which aims to determine the working capacity of the machine and the amount of electrical energy required for the sheet mangel machine in the rubber sheet milling process at the RSS (Ribbed Smoked Sheet) processing plant of PTPN XII Kebun Kalirejo Banyuwangi. The machine verification test resulted in a working capacity of the Five In One sheet mangel machine of 1407.6 kg/hour wet sheet or 280.82 kg/hour dry sheet taxation. Meanwhile, the Six In One sheet mangel machine has a working capacity of 1170 kg/hour wet sheet or 220.67 kg/hour dry sheet taxation. Both machines experienced a decrease in working capacity, where the initial conditions had a working capacity of 400 kg/hour of dry sheet taxation. The energy requirement of the Mangel Five In One sheet machine is greater than that of the Mangel Six In One sheet machine. The Mangel Five In One sheet machine produces an average energy requirement of 0.01225 kWh/kg dry sheet, while the Six In One machine produces an average energy requirement of 0.004016 kWh/kg dry sheet.*

***Keywords*** : *work capacity, energy requirements, sheet mangel machine*