

ANALISIS EFEKTIVITAS MESIN SEAMER LUBECA LW 300 MENGUNAKAN METODE ORE

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ABSTRAK

Mesin seamer menentukan produktivitas pengalengan ikan. Penelitian ini bertujuan mengetahui nilai efektivitas mesin seamer *Lubeca LW 300*, faktor penyebab produktivitas dan usulan perbaikan. Metode penelitian menggunakan ORE dengan *tools* diagram *fishbone*. Nilai ORE mesin seamer *Lubeca LW 300* sebesar 36,406%. Penyebab rendahnya nilai ORE adalah *availability of material* 68,17% dan *availability of facility* 78.981%. Faktor penyebab rendahnya nilai ORE berdasarkan diagram *fishbone* yaitu aspek mesin dan manusia. Aspek mesin menunjukkan kurang bagus (3,93) disebabkan oleh mesin seamer yang berumur 11 tahun (5) artinya tidak bagus, jam kerja mesin kurang bagus (4,25), kerusakan komponen mesin cukup bagus (3,5), dan settingan mesin bagus (3). Aspek manusia menunjukkan kriteria cukup bagus (3,12) disebabkan oleh kurangnya pelatihan operator mesin (4,25) yang memiliki kriteria kurang bagus. Usulan perbaikan dari hasil penelitian adalah menyiapkan suku cadang, penggantian dan pemeriksaan komponen mesin secara berkala, *monitoring* terhadap jam kerja mesin serta memberi waktu istirahat untuk mencegah *overheat*, melakukan kalibrasi, dan dilakukan pelatihan operator mesin seamer secara berkala.

Kata Kunci: mesin seamer *Lubeca LW 300*, ORE, diagram *fishbone*, usulan perbaikan

***(Analysis of the Effectiveness of the Lubeca LW 300 Seamer Machine Using the
ORE Method)***

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ABSTRACT

The seamer machine determines the productivity of fish canning. This study aims to determine the effectiveness value of the Lubeca LW 300 seamer machine, factors causing productivity and suggestions for improvement. The research method uses ORE with fishbone diagram tools. The ORE value of the Lubeca LW 300 seamer machine is 36.406%. The causes of the low ORE value are the availability of material 68.17% and the availability of facility 78.981%. The factors causing the low ORE value based on the fishbone diagram are the machine and human aspects. The machine aspect shows less good (3.93) caused by the seamer machine being 11 years old (5) meaning it is not good, the machine working hours are less good (4.25), the damage to the machine components is quite good (3.5), and the machine settings are good (3). The human aspect shows quite good criteria (3.12) caused by the lack of training for machine operators (4.25) which has less good criteria. The proposed improvements from the research results are to prepare spare parts, replace and inspect machine components periodically, monitor machine working hours and provide rest periods to prevent overheating, carry out calibration, and conduct regular training for seamer machine operators.

Keywords: Lubeca LW 300 seamer machine, ORE, fishbone diagram, improvement proposals