

ANALISIS BEBAN KERJA OPERATOR PADA PROSES PEMBUATAN GUIDE COMP LEVEL K81A DENGAN MENGGUNAKAN METODE NASA-TLX DI PT. SINAR TERANG LOGAM JAYA BANDUNG

Dedeh Kurniasih¹⁾, Bram Andryanto²⁾, Ade Riswanto N³⁾

Program Studi Teknik Industri Universitas Pasundan

Jalan Dr. Setiabudi No.193 Bandung 40153

Telp : 022-2019335

Email : aderiswanto94@yahoo.com

ABSTRAKSI

PT. Sinar Terang Logam Jaya has a competent operator that can support the success of the company and can compete with other companies. The performance of the company depends on both the poor performance of the operator. To see the performance of operators, one of them by looking at the workload felt by the operator during work, whether the workload is low category, medium category, or high category.

Workload measurement is subjective is a simple and practical way to find out how much workload perceived operator, both mental workload and physical workload. One method for subjective workload measurement is the NASA-TLX method. This method is a multidimensional rating procedure that divides the workload of the loading of six variables: Mental Demand (MD), Physical Demand (PD), Temporal Demand (TD), Performance (OP), Effort (EF), Frustration Level (FR).

Based on the results of data processing conducted on 14 operators, there are 8 operators that rated high workloads (57%) and 6 operators who rated the workload felt (43%) Average workload of 14 operators is 65% (high). From the problems found in making Guide Comp Level K81A which resulted in the need for improvements to reduce the physical and mental workload felt by operators, by adding the workforce / operator of 2 people, so the number of operators to 16 people. Can be seen with the addition of 2 people the results of the total workload of operators to 57% (medium). Alternative addition of 2 labor is on blanking drawing process 1 and blanking drawing process 2, because in that process both operators assess that the most dominant time requirement (80%). With the addition of labor in both processes will reduce the processing time so that the next process can be received quickly.

Keywords: Workload, Variable Workload, Operator