

ABSTRACT

Small medium enterprise (SME) of Mr. Suman in Palembang is a family business which produces meatballs. Meatballs milling results the on sale to small traders and SME it self. Preliminary fieldwork indicates problems in the chicken mill, ie chicken mill which there is currently lacking an ergonomic and effective. Proof of the toolan lack of an ergonomic posture is currently making use of sick employees at the neck and waist by 86%. Proof of ineffectiveness use chicken mill is a new productivity reaching 8.6% and impact on the workload of employees at 128 bpm in the category of heavy workloads. Modifications of chicken mill carried out to eliminate few above drawbacks and designed appropriate to SME Mr. Suman in Palembang. Chicken mill made under anthropometric data of employees and using the appropriate technology (AT) method. Research was conducted on the working conditions before and after using a modified chicken mill. The respondents totaled 6 people which work at the mill chicken. Identification of subjective complaints made using the Nordic Body Map (NBM) and workload of using the pulse per minute. Results of chicken mill modification based on ergonomics implementation, proving the decrease ill on the neck by 46%, waist by 50%, reduce the workload of 114 bpm in medium category and increase productivity that before 0.084 to 0.13 (4,4%).

Keywords: Modifications of Chicken Mill, Ergonomics, Workload , Productivity