

## ***ABSTRACT***

*Fatigue is process that have effect on decreasing welfare, capacity or performance as a result of work activities. Fatigue should get more attention because the impact of fatigue on workers can decrease labor productivity and concentration at work. All types of jobs both formal and informal can cause fatigue. Barry Callebaut company or well known as PT. Papandayan Cocoa Industries(PCI) as one of the multinational industrial company stir in manufacturing and sale of cocoa using human resources or manpower in running the company operations which lasted for 24 hours everyday continuously in shift (patterns of working time) which is divided into morning shift (Shift I) starting from 6:00 into 14:00, then day shift (Shift II) starting from 14:00 into 22:00 and night shift (Shift III) starting from 22:00 to 06:00. This research analyzed the level of fatigue between morning shift, day shift, and night shift using Bourdon Wiersma method and Feelings Questionnaire Measure Tool Working Complaint (KAUPK2).*

*Based on the research, it is found that workers on the night shift had the biggest indications of fatigue with the results p-value of 0,000 degree of accuracy ( $<0.05$ ), the level of the working speed of 0,007 ( $<0,05$ ), and the level of consistency of 0,121 ( $>0,05$ ), compared to the morning shift workers with a p-value for the variable level of accuracy of 0,114, the rate of 0,059, and the level of consistency of 0,045, and the afternoon shift workers has a p-value of 0,104 degree of accuracy, the rate of 0.076, and a consistent level of 0,060.*

*Keywords: Fatigue, Work Shifts, Bourdan Wiersma Method and Feelings Questionnaire Measure Tool Working Complaint (KAUPK2)*