

## ABSTRACT

### THE CORRELATION BETWEEN REPETITIVE MOVEMENT AND BODY MASS INDEX (IMT) WITH CARPAL TUNNEL SYNDROME (CTS) IN BATIK TULIS CRAFTER IN KEMILING, BANDARLAMPUNG

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*Carpal Tunnel Syndrome* (CTS) is related to works that involved combination of force and repetitive movement of the fingers for a long period. CTS can be caused by exposure to movement, vibration, or inappropriate position for a long time. This research is aimed to know the correlation of body mass index and repetitive movement with *carpal tunnel syndrome* (CTS) Batik Tulis crafter in batik tulis craft center, kemiling bandarlampung. The method of this research is analitic corelative with cross sectional approach. This research took place in Batik Tulis craft center, kemiling bandarlampung. in October-November 2014. The population of this research are all of the crafter in batik tulis craft center with 60 workers. Total sampling was used as the sampling method and chi-square test was used as the statistical analysis.

The result of this research showed that from 40 samples; 29 respondents (72,5 %) complained about CTS. Respondents with obese body mass indexc are more than the non obese one. Respondents with >30 times repetitive movement in one minute are more than respondents with <30 times repetitive movement in one minute : The conclusion of this the research is there a correlation between body mass index ( $p=0.000$ ) and repetitive movement ( $p=0.014$ ) with CTS.

Keyword : *carpal tunnel syndrome*, BMI, repetitive movement, batik tulis crafter