UNIVERSITI TEKNOLOGI MARA

CORRELATION BETWEEN STRESS LEVEL AND BODY COMPOSITION AMONG STAFF IN UITM JENGKA PAHANG

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ABSTRACT

The purpose of this study was to investigate the correlation between stress level and

body composition among UITM Jengka Pahang Staff. This study used random

sampling where all the respondents were both academician and administration. One

hundred and forty (N=140) with the mean and standard deviation for age is 2.46 \pm

0.61, height is 157.56 ± 8.20 and, for weight is 66.13 ± 13.17 where both groups

participated in this study were from UITM Jengka Pahang. Seventy (N=70)

respondent from administrator and seventy (N=70) academician were randomly

selected. The data were collected during working hours where all the staff was

available using a demographic questionnaire, Perceived Stress Scale (PSS-10 items)

and Bioelectrical Impedance Analysis. The results showed the factor which

influences the body fat percentage the most was gender, marital status, and

educational level. The results showed that there was no significant difference in fat

percentage (p = 0.23) for administrator and academician while there was a significant

difference (p = 0.01) for the stress level between administrator and academician. The

results for the relationship between stress level and body composition of staff in

UITM Jengka Pahang shows a weak positive correlation (r = 0.24).

KEYWORDS: Stress level, body composition, fat percentage, UITM Jengka

Pahang staff

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