UNIVERSITI TEKNOLOGI MARA

EFFECT OF HONEY SUPPLEMENTATION ON ANAEROBIC PERFORMANCE

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Thesis submitted in partial fulfillment of the requirement for the degree of **Bachelor of Sports Science (Hons.)**

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DECLARATIONS

BACHELOR OF SPORTS SCIENCE

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This work has not previously been accepted in substances of any degree, locally of for any others degree.

This project paper is the overseas and is not being concurrently submitted results of my independent work and investigation, expect where otherwise stated, I absolve Universiti Teknologi Mara (UiTM) and Faculty of Sports Science and Recreation from any blames my results of my work.

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ABSTRACT

The purpose of this study was to investigate the effect of honey supplementation on anaerobic performance among recreational runners from Faculty of Sports Science and Recreation. A total of thirty subjects (N=30); (20.43±0.50) in years, height (169.33±5.19) in centimeters and weight (64.37±8.44) in kilograms. Body mass index (22.41±2.53) in kg.m⁻² were involved in this study and selected through purposive sampling method. The study is to investigate the effect of honey supplementation on anaerobic capacity. Paired Sample T-Test was used to analysed this study, the study includes pre-test and post-test by using all thirty sample. All subjects were selected by attend the selection and able to surpass the inclusion criteria needed. During pre-test, all subjects performed 30 seconds Wingate test. After the pre-test, all subjects must drink a honey drink that contains 20g of Kelulut Honey and 300ml of water and blood sample will be collected. All subjects must rest passively for 3 hours and every one-hour blood pressure, heart rate and room temperature will be measured. For the post-test, all subjects performed the 30 seconds Wingate test and blood sample will be collected. Based on the Paired Sample T-Test results, there is no significant between pre-test and post-test (P = 0.553). The overall results also indicated the pre-test (13.37±0.69) and post-test (13.52±0.69). To conclude, this finding suggests honey supplementation does not had effect on anaerobic performance among recreational runner Faculty of Sports Science and Recreation.

Keywords: Anaerobic Capacity, Honey, Wingate test.

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