

**EVALUATION OF UiTM STUDENT ACADEMIC POTENTIAL
WITH CORRELATION TO MOTION TECHNOLOGY**

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ABSTRACT

This paper presents a research project on analyzing the effect of UiTM student academic potential with correlation to motion technology using Brain Optimization Synchronization System (BOSS™) table. It is an experimental method, or process, designed to relax the physical body and synchronize the electrical activity of the brain through horizontal rotation measurement.

The brainwaves of twenty two samples were observed before and after the motion treatment using EEG equipment. In addition, each sample undergoes at least 5 sessions of treatments. A short interview was carried out for with each respondent to confirm the results.

In general, the result shows that motion treatment produces significant improvement in terms of increasing alpha state signal of the brain. It was found that this treatment produced a significant improvement in terms of brain concentration improvements and focus in studies yielding 59% of samples improves their results, 9% of samples improve their sleeping quality and 5% of samples reduce their stress level.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

Concentration is an essential mental skill for optimal performance. Concentration can be defined as focusing attention on one thing, and to one thing only. There is an exercise to strengthen the ability to reach the highly concentrated state. For example, examine an ordinary object such as a paperclip, as if a person has never seen it before in life.

Concentration or selective focus of attention can vary in intensity. The more complete the focus of attention, the greater the level of concentration. Skills involved in concentration falls into two major categories. First, focus of attention on targeted, relevant information, and second, dissociation from non-targeted, irrelevant, and potentially distracting information. Concentration involves both focus of attention and dissociation from potential distractions, simultaneously. When one is trying to concentrate, paying attention, waves of electricity called 'alpha rhythm' are given by one's brain at frequency of 8-12 Hz [1].

This project is interested in determining whether or not it could be possible to monitor several of human brain states in the Brain Optimisation and Synchronization System (BOSS™) technologies after experiencing with the valuable process of horizontal motion therapy for achieving specific results for optimization and synchronization of the human brain. Generally this treatment gives the effect on mental calmness, emotional stability, intellectual sharpness and alertness, more rapid information processing and improves reflexes and controlled reaction.