



## EFFECTIVENESS OF CLASSROOM LIGHTING COLORS TOWARD STUDENTS' ATTENTION AND MEDITATION EXTRACTED FROM BRAINWAVES

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### Abstract

Education of students is associated with classroom environment in which consist of such as settlement order, air-conditioning, furniture, size of classroom and lighting color. The latter effectiveness on attention and meditation of students may not be measured through a survey simultaneously. Nowadays, attention and meditation levels of a students can be extracted from their brainwaves using brainwave detectors.

In this study, attention and meditation levels are extracted from the observed brainwaves of randomly selected two students when changing classroom lighting colors in the Department of Electrical and Energy Classroom of Uşak University.

The result shows that effectiveness of different classroom lighting colors are measured analyzed and evaluated toward students' attention and meditation levels simultaneously.

**Key Words:** Education, Classroom, Attention, Meditation, Brainwaves.