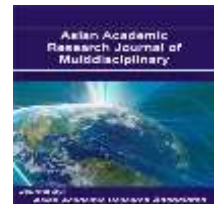




A Peer Reviewed International Journal of Asian
Academic Research Associates

AARJMD

**ASIAN ACADEMIC RESEARCH
JOURNAL OF MULTIDISCIPLINARY**



BENEFIT OF ENVIRONMENTAL ERGONOMICS IN ACHIEVING OPTIMAL ACOUSTIC DESIGN OF MOBILE BROADCASTING STUDIOS

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Abstract

The aim of this paper is to provide both general and specific potential ergonomics solutions for acoustic problems in mobile broadcasting studio environments and to clarify the relation between the environmental ergonomics factors & achieving optimal acoustic studios. So this study focused on analyzes the affected ergonomic factors that control the design of broadcasting acoustic studios. The research divided into three parts began with general introduction, followed by studying the acoustic ergonomic factors and the paper ended with the proposed considerations for achieving optimal acoustic studios according to environmental ergonomics factors. The research concludes that embedding environmental ergonomics factors in design of acoustic studios through proposed considerations makes the acoustic studios designs more creative and capable to be suitable for effective insulation solutions that can be applied in Egypt.

Keywords: Environmental Ergonomics - Architectural Acoustics – Broadcasting Studio.

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