



**FACULTY OF INFORMATION MANAGEMENT
MARA UNIVERSITY OF TECHNOLOGY**

Bachelor of Science in Information Management
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MANAGING OF AUDIO VISUAL RECORDS AND ARCHIVES
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Article on:

Article 1 - “The effects of audio-visual factors on perceptions of environmental noise barrier performance”

Article 2 - “Audio-visual interaction and perceptual assessment of water features used over road traffic noise”

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The effects of audio-visual factors on perceptions of environmental noise barrier performance

And

Audio-visual interaction and perceptual assessment of water features used over road traffic noise

1. Abstract

This article aims to investigate the intersensory perceptions of noise barrier performance in terms of the spectral characteristics of noise reduction combine with visual impression of five barrier types and to examine the audio-visual interaction and perception of water features used over road traffic noise including their semantic aural properties, as well as their categorization and evocation properties. This research conduct three different types of experiment which are audio-only experiment, visual-only experiment and audio-visual experiment. The result of the experiment revealed that noise reduction, particularly low frequency components, had a dominant effect on the perception of the noise-attenuating performance of barriers.

2. Introduction

This article is about the audio-visual factors that affect the environmental noise barriers. First article is about the effects of audio-visual factors on perceptions of environmental noise barriers performance while second article is about the audio-visual interaction and perceptual assessment of water features used over road traffic noise. First article focus more on noise pollution on urban area while the second article focus more on wide range of small to medium size of water features that can be used to promote the peacefulness and relaxation.

Researcher from those articles conducted some experiment to identify the frequency and quality of the environmental noise barriers and water features that used over the road traffic noise towards the audio-visual. They used quite similar method in conducting the experiment between two articles which are audio-only experiment, visual-only experiment and audio-visual experiment.