A STUDY ON ROAD TRAFFIC NOISE IN BANDAR SEBERANG JAYA S.P.T PULAU PINANG

By

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This study produce noise map in Bandar Seberang Jaya SPT Pulau Pinang. It determines road traffic noise and it will be use in IDRISI32 software to produce map layer. It will be compare to the noise exposure level with the World Health Organization (WHO) standard. The field works involved are the determination of the noise level. This study also showed that the noise exposure level from all the 20 sites exceeded the WHO standard for day and night.

Keywords: Road Traffic Noise, Noise Level, Noise Map.
CHAPTER 1

INTRODUCTION

1.1 Background

No one on earth can escape the sounds of noise— an unwanted, disturbing sound that causes a nuisance in the eye of the beholder.

Noise pollution can be defined as unwanted or offensive sounds that unreasonably intrude into our daily activities. It has many sources, most of which are associated with urban development: road, air and rail transport; industrial noise; neighborhood and recreational noise. A number of factors contribute to problems of high noise levels, including:

- Increasing population, particularly where it leads to increasing urbanization and urban consolidation; activities associated with urban living generally lead to increased noise levels
- Increasing volumes of road, rail and air traffic.

Community awareness of environmental noise has increased and there is a higher expectation for commonwealth, state and local government to reduce noise levels.

Noise is a disturbance to the human environment that is escalating at such a high rate that it will become a major threat to the quality of human lives. In the past thirty years, noise in all areas, especially in urban areas, has been increasing rapidly.