DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITY TECHNOLOGY OF MARA
SERI ISKANDAR PERAK

ENHANCING QUALITY OF LIFE: THE IMPLICATION OF NOISE FROM THE CONSTRUCTION SITE TOWARDS HUMAN COMFORT

NUR DALILA BINTI MAT DESA
(2013952319)

Academic project submitted in partial fulfillment of the requirements for the award of the degree of Bachelor Building Surveying (Hons), Faculty of Architecture, Planning and Surveying University Technology MARA

JANUARY 2016

STUDENT'S DECLARATION

Academic Project Title:

ENHANCING QUALITY OF LIFE: THE IMPLICATION OF NOISE FROM CONSTRUCTION SITE TOWARD HUMAN COMFORT

I declared that this report is the result of my own research, unless otherwise indicated or acknowledged as referenced work.

In the event that my report be found in violet the conditions mentioned above, I voluntarily waive the right of conferment of degree and agree be subjected to the disciplinary rules and regulation of University of Technology Mara

Signature :

Student's Name : NUR DALILA BINTI MAT DESA

Matrix Number : 2013952319

Date :JANUARY 2016

ABSTRACT

Noise is defined as an unwanted sound**.** In the achievement of national development and improve the standards of living the population, economic activities and the development of projects of the country must be concomitant. However, people often overlook the environmental problems arising from the implementation of economic activities and development projects. Negative effects resulting from the process of development and modernization in a hurry increasingly urgent and this resulted in the impact of environmental pollution. This paper will be presents the result of noise measurement at a selected site construction. To get the first objective, the data interview session and questionnaire was used to achieve that objective. The process of second phase data is using the sound level meter to measure the noise level at construction site at will compared with the guideline. The noise measurement was carried out at the peak hour, which are 7.00 A.M to 9.00 A.M, 12.00 P.M to 2.00 P.M and 4.00 P.M to 6.00 P.M. the uses of sound level meter was obtained to get the equivalent sound level (L*eq*), L10 and L90. From that it will directly get the level of comfort at the area and the second objective will be achieved. there are eleven (11) critical factor can classified as the best factor to the contribution of noise from construction site. The proposed of the best factor which contribution factor to the noise from construction site is based on the Mc Caffer (1997) rating scale which is show rating scale 3.50.The factors are:

a. The main contribution of noise is from tools, equipment and machinery
b. The suitable machinery must be selected by the contractor
c. Modern machine makes the level of noise decrease
d. Before the construction was started, the area was normally exposed to the noise from traffic congested
e. The area has become noisier after the construction start
f. The level of noise increase during peak hour
g. Once of contribution of noise is from heavy transportation
h. The road between heavy transportation must be separated with the resident
i. To avoid any nuisance, the authority must do a frequently monitor.

ACKNOWLEDGEMENT

First of all, ALHAMDULILLAH thanks to Allah the all mighty for giving me a chance and good health along to prepare and complete this research. There is a lot of people standing behind me to make this research was successfully complete. So that, I want to express the sincere appreciate and thanks especially to all lecturers in department of Building Survey, my lovely classmate and also all the persons who participate directly or indirectly in this research

Without the discrimination, an honored and respect giving to my supervisor, Mr. Mohd Nurfaisal Bahruddin for his unequaled, encouragement, advice, motivation, and also the support which he already give to me. Thanks again to Mr. Faisal

For my family, especially my parents a lot of sweet thanks because your sacrified the energy and all the things just want to see me success in my life.

Not forgetting my fellow friend, Wan, Iskandar, Azrul, Fatihah, Annas, Nazrin, Ariffin, Ali, and Farhana. Thanks for your support and share the knowledge.Without all of you, the task was not completed successfully.

TABLE OF CONTENT **PAGE**