

UNIVERSITI TEKNOLOGI MARA



Community Survey and Health Risk Assessment at
Kampung Air Melintas Besar, Tasek Gelugor, Daerah
Seberang Perai Utara, Pulau Pinang

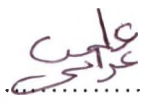
SITI NUR ALYAA IZZATI BINTI CHE ADAN

**DIPLOMA IN ENVIRONMENTAL HEALTH
FACULTY OF HEALTH SCIENCES**

APRIL 2016

Declaration by Student

Project entitled "Community Survey and Health Risk Assessment at Kampung Air Melintas Besar, Tasek Gelugor, Daerah Seberang Perai Utara, Pulau Pinang" is a presentation of my original work. Wherever contributions of others are involved, every effort is made to indicate this clearly, with due reference to the literature, and acknowledgment of collaborative project and discussions. This project was done under the guidance and supervision of Tuan Haji Noor Azni bin Mohd Arshad as preceptor and Puan Nurhidayah bt Sabri as supervisor. This project has been submitted to the Faculty of Health Sciences in partial fulfillment of the requirements for the awarding of Diploma in Environmental Health.

Signature: 

Student's Name: Siti Nur Alyaa Izzati bt Che Adan

Matric number: 2013887228

I/C number: 941209-035218

Date: 24 March 2016

ACKNOWLEDGEMENT

I, Siti Nur Alyaa Izzati bt Che Adan as a UiTM trainee in Seberang Perai Utara Health District Office (PKD SPU) would like to express my gratitude and appreciation to all those gave me the possibility in complete the . A special thanks to my supervisor, Madam Nurhidayah bt Sabri in guide me in doing this community health survey and also thank you to all UiTM's lecturers in guiding me to community health survey.

I would like to acknowledgment with much of appreciation to the preceptor, Tuan Haji Noor Azni bin Mohd Arshad in help me to coordinate my community health survey with suggestion and encouragement. Besides, he gave permission to use all requirements in PKD SPU in term of machinery and necessary material to complete my task.

I would like to thank you to Head of Village, Dato' Ahmad bin Darus for giving permission in doing community health survey in Kg. Air Melintas Besar. Besides, thank you to the community of Kg. Air Melintas Besar in giving cooperation during community health survey.

I would like to give special thanks to UiTM trainee teammate, Nurul Afrina bt Sha'ari, Nurul Hikmah Salsabiela bt Moktar, Nuruljannah bt Mohamed and Noor Fatihhah bt Satari in cooperate and help me during community health survey. Last but not least, I would like to say thank you to all the parties involved in helping me during this task.

Thank You.

ABSTRACT

The community health survey is held to analyze the health and environmental status in the community. This study is carried out to determine the health, environmental status and awareness of the community in Kg. Air Melintas Besar especially to things related to the safety and health. In this research, a quota sampling was chosen to select sample from the house selected in Kg. Air Melintas Besar. First is assuming 100 out of 151 houses in that area. The community of Kg. Air Melintas Besar is still not aware about any problems could occur from environmental status such as vector borne disease which is dengue fever. Sewage system is one of the requirements needed in each residential area. Without proper sewage system, many environmental problems will occur such as breeding site of mosquitoes larvae, odor and river pollution. The odor and river pollution will also occur because the sewage is directly discharge into the river without being treated in individual septic tank or other provided tank. They do not aware if flushing system in the toilet is broken, it will possible to Aedes mosquitoes larvae to breed. It is about 43.75% of flushing system is not functioning well. In addition, there is several houses do not own any individual septic tank or other tank which is about 8%. They directly discharge their wastewater into the river. Directly discharge the wastewater into the river can make the river polluted. Some recommendations had been suggested such as maintaining the toilet cleanliness and flushing system must be repaired. Key words: typhoid fever, flushing system, toilet, sanitary sewage system, individual septic tank

ABSTRAK

Kajian kesihatan masyarakat diadakan untuk menganalisis kesihatan dan status alam sekitar dalam masyarakat. Kajian ini dilaksanakan untuk menentukan status kesihatan, alam sekitar dan kesedaran masyarakat di Kg. Air Melintas Besar terutama kepada perkara-perkara yang berkaitan dengan keselamatan dan kesihatan. Dalam kajian ini, persampelan kuota dipilih untuk mengambil sampel dari rumah terpilih di Kg. Air Melintas Besar. Andaian pertama ialah 100 daripada 151 buah rumah di kawasan itu. Masyarakat Kg. Air Melintas Besar masih tidak mempunyai kesedaran tentang masalah boleh berlaku berpunca daripada status alam sekitar seperti penyakit bawaan vektor iaitu demam denggi. Sistem kumbahan adalah diperlukan di kawasan kediaman. Tanpa sistem kumbahan yang teratur, banyak masalah alam sekitar akan muncul seperti tempat pembiakan larva Aedes, masalah bau dan pencemaran sungai. Bau busuk dan pencemaran sungai akan terhasil disebabkan oleh sisa kumbahan terus dibuang ke dalam sungai tanpa dirawat di dalam tangki septik individu atau tangki lain. Mereka tidak menyedari jika sistem curahan tandas rosak, ia berkemungkinan untuk larva nyamuk Aedes membiak. Kira-kira 43.75% daripada sistem curahan tidak berfungsi. Di samping itu, terdapat beberapa buah rumah tidak memiliki tangki septik individu atau tangki lain iaitu kira-kira 8%. Mereka melepaskan air kumbahan terus ke dalam sungai. Melepaskan sisa kumbahan ke dalam sungai boleh membuatkan sungai tercemar. Beberapa saranan pembaikan telah dicadangkan seperti mengekalkan kebersihan tandas dan sistem curahan dalam tandas perlu dibaik pulih.

Kata kunci: demam kepialu, system curahan, tandas, system kumbahan, tangki septik individu.

APPRECIATION

I, Siti Nur Alyaa Izzati bt Che Adan as a UiTM trainee in Seberang Perai Utara Health District Office (PKD SPU) would like to express my gratitude and appreciation to all those gave me the possibility in complete the . A special thanks to my supervisor, Madam Nurhidayah bt Sabri in guide me in doing this community health survey and also thank you to all UiTM's lecturers in guiding me to community health survey.

I would like to acknowledgment with much of appreciation to the preceptor, Tuan Haji Noor Azni bin Mohd Arshad in help me to coordinate my community health survey with suggestion and encouragement. Besides, he gave permission to use all requirements in PKD SPU in term of machinery and necessary material to complete my task.

I would like to thank you to Head of Village, Dato' Ahmad bin Darus for giving permission in doing community health survey in Kg. Air Melintas Besar. Besides, thank you to the community of Kg. Air Melintas Besar in giving cooperation during community health survey.

I would like to give special thanks to UiTM trainee teammate, Nurul Afrina bt Sha'ari, Nurul Hikmah Salsabiela bt Moktar, Nuruljannah bt Mohamed and Noor Fatihhah bt Satari in cooperate and help me during community health survey. Last but not least, I would like to say thank you to all the parties involved in helping me during this task.

Thank You.