

# BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DKA 5C																
Jabatan <i>Department</i>	CIVIL ENGINEERING DEPARTMENT																
Semester/ Tahun <i>Semester/ Year</i>	DECEMBER 2017																
Tajuk Projek <i>Project Title</i>	A STUDY ON TRAFFIC CONGESSTION AT JALAN MAHARI, MUAR, JOHOR (J32)																
Jenis Projek <i>Type of Project</i>	PENYELIDIKAN																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i></p> <table border="1"> <tbody> <tr> <td><input type="checkbox"/></td><td>Sains tulen (<i>Pure Science</i>)</td></tr> <tr> <td><input type="checkbox"/></td><td>Sains gunaan (<i>Applied Science</i>)</td></tr> <tr> <td><input checked="" type="checkbox"/></td><td>/ Teknologi dan kejuruteraan (<i>Technology and Engineering</i> )</td></tr> <tr> <td><input type="checkbox"/></td><td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td></tr> <tr> <td><input type="checkbox"/></td><td>Sains sosial (<i>Social Sciences</i>)</td></tr> <tr> <td><input type="checkbox"/></td><td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td></tr> <tr> <td><input type="checkbox"/></td><td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td></tr> <tr> <td><input type="checkbox"/></td><td>Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td></tr> </tbody> </table>	<input type="checkbox"/>	Sains tulen ( <i>Pure Science</i> )	<input type="checkbox"/>	Sains gunaan ( <i>Applied Science</i> )	<input checked="" type="checkbox"/>	/ Teknologi dan kejuruteraan ( <i>Technology and Engineering</i> )	<input type="checkbox"/>	Sains kesihatan dan klinikal ( <i>Clinical and Health Sciences</i> )	<input type="checkbox"/>	Sains sosial ( <i>Social Sciences</i> )	<input type="checkbox"/>	Sastera dan sastera ikhtisas ( <i>Arts and Applied Arts</i> )	<input type="checkbox"/>	Warisan alam dan budaya ( <i>Natural Sciences and National Heritage</i> )	<input type="checkbox"/>	Teknologi maklumat dan komunikasi ( <i>Information and Communication Technology</i> )
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Abstrak <i>Abstract</i>	<p>Traffic congestion is an issue that people around the world are talking about either in developing countries or in developed countries. These problem are also present in Malaysia where there is currently no solution to solve these constrain. The influx of vehicles entering the urban area and less efficient of public transportation system is the dominant factors that causes to traffic congestion. This situation will become more serious when it comes to peak hour in the morning when people are going to work place and in the evening when people returning from work. Transportation systems such as bicycles, motorcycles, cars, lorries and others are becoming a medium of traffic congestion. The congestion on road maybe due to road damage that are not being aware by responsible party. Congestion will cause pollution such as air pollution and noise pollution</p>																

Keyword <i>Keyword</i> (max 5 word)	Traffic congestion, traffic survey, PCU
Objektif Projek <i>Project Objectives</i>	<p>(a) A To calculate the traffic volume and the value of passenger car unit by each vehicle that pass through Jalan Maharani, Muar, Johor (J32).</p> <p>(b) To obtain user satisfaction of the road by using SPSS System.</p>
Skop Projek <i>Project scope</i>	<p>Determining the causes of road congestion and predicting future road problems requires understanding of road structure and their construction processes and also need to know their procedure that should be measure. Therefore, to achieve the objective of this study, there are some scope of study that should be measure. The area that are used in the making of this research is in Jalan Maharani (J32), Muar, Johor. Respondent that can be put in measure is the population in Muar, Johor, Jabatan Kerjaraya Muar (JKR) and TETO Engineering SDN BHD. Main data was gather by using Traffic Survey, Junction Survey and Volume of Passenger Car Unit. Secondary data can be collect by conducting questionnaire, interview and observation. Identifying transportation pooling factors based on traffic survey on the area of study. Recommending a solution method to overcome the community's traffic congestion problem.</p>
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Dapatan <i>Finding</i> (500 words max)	<p>A vehicle usage in certain area has given a new dimension to the development of a place. But in this overwhelming modernization there are also some bad effect for the transportation system due to the frequent change in the road condition. Traffic volume always increase day by day due to increase in automobile creation and decrease in vehicle price. Road condition should be upgrade from a phase to another phase according to human development. This is to ensure that user satisfaction is at maximum level. The upgrading method maybe by bridging road furniture such as signage, street lights and etc. This is to make the travel agility in Muar become more smoothly especially during peak hour.</p>
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>As referrer to questionnaire, there are some suggestion given by respondent. One of the suggestion are to transfer the bus station area to another area. The location suggested by respondent are area around Tanjung Agas, Muar near to Giant Muar. This is because that area are rural area that transforming into urban area at Muar district. Bentayan Bus Station on Jalan Maharani Muar is one of the main causes of congestion in Muar district. So, by applying this suggestion it can overcome traffic congestion causes by station bus user. Another suggestion by respondent are build another flyover that link Hospital Sultanah Fatimah Muar with street across the road. The flyover can reduce the congestion that occur in the road. This is because user tend to park alongside of the road and crossing the road on main road. When user trespassing the busy road it will be stuck and make the congestion even worse. So, when flyover is built at this location it can decrease the number of pedestrian crossing the main road. Other than build flyover, respondent also suggest to expending the area of the road. The road can be expend by reducing parking along the street. In this way, road can be expand on the street side which near to road divider. From this suggestion road can be expand an avoid traffic congestion to increase.</p>

<p>Gambar berkaitan projek</p> <p><i>Picture related to project (700kb)</i></p>	 <p style="text-align: center;"><i>Figure 1</i></p>	 <p style="text-align: center;"><i>Figure 2</i></p>
<p>Rating/Level</p>	<p>Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa  <i>Departments / Institutes / National / International</i></p>	

*\* Borang ini perlu diisi oleh pelajar dan dihantar kepada penyelia/ penyelaras projek dalam bentuk hardcopy dan softcopy (borang LAMPIRAN J dan gambar hasil projek dalam format jpeg/bitmap) bersama laporan akhir dan hasil projek*

