

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DIPLOMA KEJURUTERAAN ELEKTRIK (DET)																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	5																
Tajuk Projek <i>Project Title</i>	SOLAR ENERGY STREET LAMP WITH LIGHT SENSOR																
Jenis Projek <i>Type of Project</i>																	
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i> <table border="1"> <tbody> <tr> <td>☐</td><td>Sains tulen (<i>Pure Science</i>)</td></tr> <tr> <td>☐</td><td>Sains gunaan (<i>Applied Science</i>)</td></tr> <tr> <td>☒</td><td>Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)</td></tr> <tr> <td>☐</td><td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td></tr> <tr> <td>☐</td><td>Sains sosial (<i>Social Sciences</i>)</td></tr> <tr> <td>☐</td><td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td></tr> <tr> <td>☐</td><td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td></tr> <tr> <td>☐</td><td>Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td></tr> </tbody> </table>	☐	Sains tulen (<i>Pure Science</i>)	☐	Sains gunaan (<i>Applied Science</i>)	☒	Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)	☐	Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)	☐	Sains sosial (<i>Social Sciences</i>)	☐	Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)	☐	Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)	☐	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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Ahli Kumpulan <i>Group member</i>	1. Name: Mohammad Norshadiq Bin Mohamad Hafiz No. Identification card: 14DET16F2022 2. Name: Hafizuddin Bin Hasan No. Identification card: 14DET16F2020																
Penyelia <i>Supervisor</i>	Name: Mohd Jamhari Ismail Bin Md Tokit No. Identification card: 721110-10-5437																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	Abstract: The project is aimed at creating a modern street light, after making a comprehensive study in a particular area it given us the idea of creating a “SOLAR ENERGY STREET LAMP WITH LIGHT SENSOR”. This idea was approved by the lecturer of Mr Mohd Jamhari Bin Md Tokit as our supervisor. It uses solar energy as a source for charging the battery, then giving the inveter current to give maximum brightness to what lights when the LDR Sensor detects ligh from the vehicle. This is because existing lamps use full power from the power supply, this providing a relatively high cost to produce a lamp compared with “Solar Energy Street Lamp with Light Sensor” is one of the ways to use green technology, Many consider solar energy to be produced only through giant panels located in the hot spots. In fact, a small solar can float enough power supply depending on a load.																

Keyword <i>Keyword</i> (max 5 word)	Simple, Saver Energy, Productive
Objektif Projek <i>Project Objectives</i>	Melalui projek ini, kami telah membuat SOLAR ENERGY STREET LAMP WITH LIGHT SENSOR. ● Use LDR sensor to detect light to tur on the light ● Using solar as the source of energy to charge the battery ● Inveter aims to convert DC to AC to given the brightness to the light so the lights become brighter
Skop Projek <i>Project scope</i>	The study was conducted along the AMJ road which started from to Muar. In addition, the project is concentrated on the Serkam road to Merlimau as the road has a long distance of 5Km and there is only light at the junction. In addition, on the research done by our group, at 12.00 am the use of roads at that time was reduced. It is because the area is a crossing area, an accident area. As such, this project focuses on the road to give drivers the confidence to use the road without any hesitation.
IP No	nil
Dapatan <i>Finding</i> (500 words max)	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	There are some improvements need to be done to get a more attractive and compact 1. Adding a unit 2. Putting in place is intended for use. 3. Sensor Light and Direct Supply

Gambar berkaitan projek <i>Picture related to project (700kb)</i>	 <i>Figure 1</i>	 <i>Figure 2</i>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i> GOLD medal for JKE innovation day BROWN medal for Perkaya innovation day	

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

