


### BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	<b>DIPLOMA KEJURUTERAAN ELEKTRIK (DET)</b>																
Jabatan <i>Department</i>	<b>JKE</b>																
Semester/ Tahun <i>Semester/ Year</i>	<b>5</b>																
Tajuk Projek <i>Project Title</i>	<b>SAUCE PUMP DISPENSER WITH SENSOR</b>																
Jenis Projek <i>Type of Project</i>	<b>INOVASI</b>																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: Please tick “ / ” where applicable:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30px;"></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 iktisas (<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> </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 iktisas ( <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> )
	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 iktisas ( <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> )																
Ahli Kumpulan <i>Group member</i>	1. Name: Muhamad Nur Hadi Bin Aris No. Identification card: 14DET16F2008 2. Name: Intan Nurshafinaz Binti Abd Halim No. Identification card: 14DET16F2018																
Penyelia <i>Supervisor</i>	Name: Puan Haryani binti Hassan No. Identification card: 730804-12-5496																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p style="text-align: center;">In this project, most people begin to create or modify an existing form to a new form without changing the characteristics of the original function. People will start to create new features with electrical and electronic technology in tandem with the facilities of the world from time to time because the world today requires equipment to upgrade existing equipment to better. We are doing renovations on the sauce pump dispenser. This modification uses the sensor component as the tool to press out the sauce without press the pump. Sauce pump dispenser with sensor which is mainly controlled by Arduino project is simple and easy to use for the users. This is inspired by the normal sauce pump dispenser but decided to upgrade it into more easier and</p>																

	smoothly. We get to apply the knowledge and learn from this sauce pump dispenser with sensor has the ability to be in the market because it is something which it can be uses in the fastfood restaurant.	
Keyword <i>Keyword</i> (max 5 word)	Sauce pump dispenser, automatic sauce pump.	
Objektif Projek <i>Project Objectives</i>	<ul style="list-style-type: none"> <li>• To indicate the sauce is full or finish with LED and sensor.</li> <li>• To develop the distance of sensor with sauce container is less than 5cm.</li> <li>• To ensure the sauce dispenser operation even more easier and smoothly</li> </ul>	
Skop Projek <i>Project scope</i>	<ul style="list-style-type: none"> <li>• The size of the product. Length is 15.5cm, width is 26.5cm and height is 36.2cm.</li> <li>• These product can be use at fastfood restaurant.</li> <li>• These product can be handle by one person and more easier.</li> </ul>	
IP No	nil	
Dapatan <i>Finding</i> (500 words max)	<ul style="list-style-type: none"> <li>i. From the experiment done the product can be use at fastfood restaurents.</li> <li>ii. It can be use easier and smoothly.</li> <li>iii. The finding shows the cost and maintenance is low.</li> </ul>	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<p>There are some improvements need to be done to get a more attractive and compact design:-</p> <ul style="list-style-type: none"> <li>• The casing need to improvement and adjust.</li> <li>• Put push button to control on/off sensor.</li> </ul>	
Gambar berkaitan projek  <i>Picture related to project</i> (700kb)	 <p style="text-align: center;"><i>Figure 1</i></p>	<p style="text-align: center;"><i>Figure 2</i></p>
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa <i>Departments / Institutes / National / International</i>	

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

