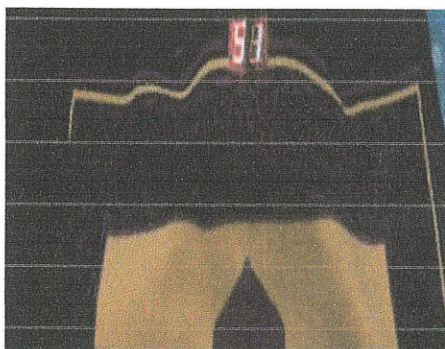


BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DIPLOMA KEJURUTERAAN ELEKTRIK(DET) 5B																
Jabatan <i>Department</i>	JABATAN KEJURUTERAAN ELEKTRIK																
Semester/ Tahun <i>Semester/ Year</i>	SESI JUN 2017																
Tajuk Projek <i>Project Title</i>	RAKAAT COUNTER BY USING ARDUINO																
Jenis Projek <i>Type of Project</i>	PRODUCT BASED																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	Tanda “ / ” pada yang berkenaan: Please tick “ / ” where applicable: <table border="1"> <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> </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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☐	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)																
Ahli Kumpulan <i>Group member</i>	1. Name:SITI ZUBAIDAH BINTI MOHAD ALI BAKARI No. Identification card:970915-04-5336 2. Name:NOR IZZATUL ZAYYANI BINTI ABD MANAT No. Identification card:971003-06-5232 3. Name:NURUL AMIRA BINTI JAMIL No. Identification card:970618-01-6010																
Penyelia <i>Supervisor</i>	Name:ENCIK ZAN AIZUWAN BIN HJ ZAINAL ABIDIN No. Identification card:																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	Praying five times a day is a pillar of Islam which is fulfilled by all Muslims. Every rule of prayer should be implemented so that prayer worked perfectly acceptable to God. Almost all of muslim having problem such as forgot or skip rakaat without notice. Then, in islam we cannot take easy while perform the solat and need to put the 100% in our solat. If that so ,it would be a nuisance if we cannot focus in our solat since people are wondering if their rakaat had fix to the solat itself . These rakaat counter is the innovation to the praying mat that functioned as the counter of the rakaat. These rakaat counter will display the signal to 7segment as the indicator. Ordinary prayer mat are not suitable for multiple layer of consumers such as adults, parents and children and most prayer mat at market are using a complicated circuit and non washable. Then we get the an idea to produce a flexible of prayer mat for various categories of consumers. And produce prayer mat with user display by using arduino circuit.																

Keyword <i>Keyword</i> (max 5 word)	For count rakaat	
Objektif Projek <i>Project Objectives</i>	❖ To produce prayer mat that can display the number of rakaat. ❖ To produce a flexible of prayer mat for a various categories of consumers. ❖ To produce prayer mat with user friendly display by using arduino circuit.	
Skop Projek <i>Project scope</i>	❖ These rakaat counter will count the rakaat correctly using 7segment as indicator. ❖ Can be used for generally average of ages and any solat especially for the "Imam" for the larger scale of congregation. ❖ The circuit can be attach and remove from the prayer mat , the prayer mat can be washed.	
IP No		
Dapatan <i>Finding</i> (500 words max)	❖ Our finding from this project is firstly this project have been designed to the innovation to the praying mat that functioned as the counter of the rakaat. Next these rakaat counter will display the signal to 7segment as the indicator.	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	❖ To improve that this rakaat counter that can be apply for "solat sunat"	
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>	

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