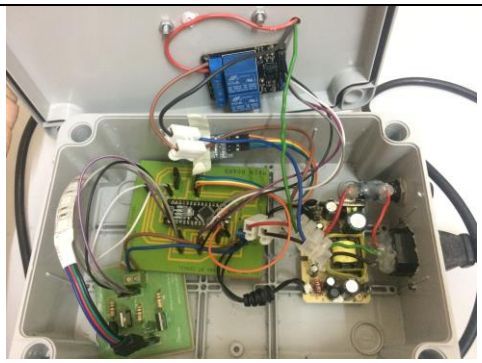
LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	**MAKLUMAT** *INFORMATION*
Program *Program*	DIPLOMA KEJURUTERAAN ELEKTRONIK PERHUBUNGAN (DEP)
Jabatan *Department*	JKE
Semester/ Tahun *Semester/ Year*	5
Tajuk Projek *Project Title*	SOCKET CONTROLLER USING ARDUINO VIA BLUETOOTH
Jenis Projek *Type of Project*	
Kategori Kluster Penyelidikan *Category/ research Cluster*	Tanda " / " pada yang berkenaan: *Please tick " / " where applicable:* ( ) Sains tulen (*Pure Science*) ( ) Sains gunaan (*Applied Science*) ( ) Teknologi dan kejuruteraan (*Technology and Engineering*) ( ) Sains kesihatan dan klinikal (*Clinical and Health Sciences*) ( ) Sains sosial (*Social Sciences*) ( ) Sastera dan sastera ikhtisas (*Arts and Applied Arts*) ( ) Warisan alam dan budaya (*Natural Sciences and National Heritage*) (/) Teknologi maklumat dan komunikasi (*Information and Communication Technology*)
Ahli Kumpulan *Group member*	1. Name: Nurul Nadia Binti Fuzaimy No. Identification card: 980204-10-6736
Penyelia *Supervisor*	Name: Nur Diyana Binti Ismail
Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	Most of electrical fires whose cause be determined precisely, using electric appliances for too long causes electrical appliances to overheat or caused by short-circuit.In this paper, a socket controller using arduino via bluetooth is presented,which provide features to detect over consumptions that might lead to overheat. Futhermore, the proposed framework this application controls the various appliances using wireless system. Thus, when the buttons on the apps are pressed, corresponding bluetooth signals are sent from arduino phone to bluetooth module. The arduino finds out which signal was sent and compares it to the predefined signal assigned for each appliance. Therefore, the socket controller using arduino via bluetooth can narrow the gap between the standard home and the latest user technology.

<table>
<tr><td>Keyword
Keyword
(max 5 word)</td><td>Socket Controller, Bluetooth</td></tr>
<tr><td>Objektif Projek
Project Objectives</td><td>i. To detect over consumptions that might lead to overheat.
ii. To disconnect the power supply when a overload current is detected (a overload current is a current that arises when an appliance consumes power when it is in stand-by mode or when it claims to be switched off).
iii. To prevents electrocutions, since it only supplies power when it identifies a valid appliance.</td></tr>
<tr><td>Skop Projek
Project scope</td><td>i. This project is focusing the design for home appliance and others.
ii. Using the bluetooth to turn on the switch of socket.</td></tr>
<tr><td>IP No</td><td>nil</td></tr>
<tr><td>Dapatan
Finding
(500 words max)</td><td>
<table>
<tr><th>No.</th><th>Situation</th><th>Availibility</th></tr>
<tr><td>1.</td><td>The bluetooth led blinking</td><td>The device not connected to bluetooth</td></tr>
<tr><td>2.</td><td>The bluetooth led light</td><td>The device connected with the bluetooth and ready to use the apps</td></tr>
</table>
</td></tr>
<tr><td>Cadangan untuk kerja-kerja akan datang
Suggestion for future work
(500words)</td><td>i. Using a Wi-Fi-based modules according to the progress of technology.
ii. Using more sophisticated and durable components.
iii. Designing a more competitive, neat and orderly circuit in terms of compilation</td></tr>
<tr><td>Gambar berkaitan projek
Picture related to project (700kb)</td><td></td><td></td></tr>
</table>

	 *Figure 1*	 *Figure 2*
Rating/Level	Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa *Departments / Institutes / National / International*	

***** *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*