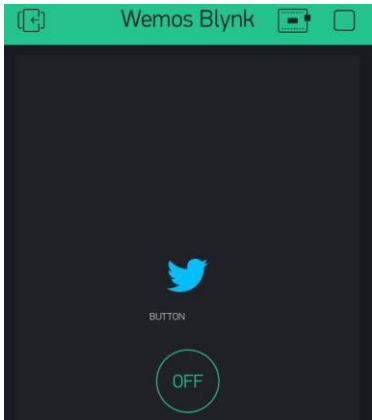



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DTK5A																
Jabatan <i>Department</i>	Electrical Department (JKE)																
Semester/ Tahun <i>Semester/ Year</i>	Sem 5																
Tajuk Projek <i>Project Title</i>	Electronic Wireless Door Lock System																
Jenis Projek <i>Type of Project</i>	Software and Hardware																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: <i>Please tick “ / ” where applicable:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <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> </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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Ahli Kumpulan <i>Group member</i>	1. Name: Olivia Lamba Anak Sandom No. Identification card: 980623-13-6454 2. Name: Siti Zenija Binti Muhammad No. Identification card: 980915-56-5074																
Penyelia <i>Supervisor</i>	Name: Dr.Aspalilla Binti Main No. Identification card: 790312-01-5228																
Penyelia Bersama Co- <i>Supervisor</i>	1. Name: No. Identification card:																
Abstrak <i>Abstract</i>	<p>Smartphone have variety of uses and becomes one of the devices that can help to monitor in any aspects. Since less awareness concern on door locking system, the device proposed in this project will help to solve the problem. For this project, smartphone will activate the door lock using Wireless Fidelity (WiFi). By using phone's software, the smartphone can activate the door lock automatically and unlock the door within a specific range. Data transmission will be done using WiFi technology. So, the user does not have to worry whether the door is lock or not because user can control it by using their smartphone. The user also does not have to worry about the losing of the door key. The project that will build consists of hardware and software development. After doing some research, the result expectation for this project is the user can control the operation of a door lock automatically and unlock the door within a specific range of WiFi using a smartphone. Besides that, the door locking system must be function efficiently.</p>																

Keyword <i>Keyword</i> (max 5 word)	Electronic, Wireless	
Objektif Projek <i>Project Objectives</i>	a) to create an application that would work from a smartphone and communicate through WiFi network. b) to analyze the system design in term of detectable range and delay. c) to give user more secure yet cost-efficient way with keyless system.	
Skop Projek <i>Project scope</i>	1. Targeted user: Citizens 2. Software used: BLYNK	
IP No		
Dapatan <i>Finding</i> (500 words max)	<ul style="list-style-type: none"> - This project examined on how far the progress of the smartphone activated the unlocking system of the door by using an application. - The range of the transmission channel also will be evaluated and considered in order to achieve the objectives of this project. - The smartphone that activated the unlocking system need to be identify in order to connect with the microcontroller. 	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	<ul style="list-style-type: none"> - We wanted to add a new features where the hardware design would be more productive and portable. - We want to add another components in this project such as limit switch which are used to check the position the door either it is closed or not. - Implemented this projek, wish it can be in a long distance range could be as it using a Wi-Fi module. 	
Gambar berkaitan projek <i>Picture related to project</i> (700kb)	BLYNK Application ON / OFF button. 	Housing (Hardware) 

Rating/Level	<u>Jabatan</u> / Politeknik/ Kebangsaan/ Antarabangsa <u>Departments</u> / <i>Institutes / National / International</i>	

** 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 proj*

