LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DET5B
Jabatan *Department*	ELECTRICAL ENGINEERING
Semester/ Tahun *Semester/ Year*	JUN2017
Tajuk Projek *Project Title*	PLANT EMOJI
Jenis Projek *Type of Project*	PRODUCT BASED
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: MUHAMMAD SAMAD BIN ABDU RAMAN No. Identification card: 930926-10-5289 2. Name: NOR ALIEYA NATASYA BINTI YUSOF No. Identification card: 970712-11-5066 3. Name: NORSYAMIRA NADIA BINTI ABDUL MALEK No. Identification card: 971024-04-5468
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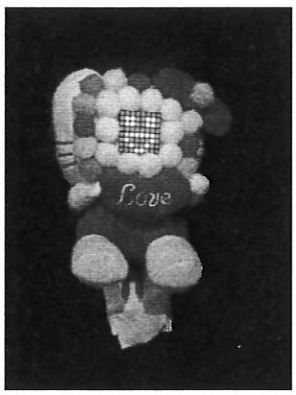
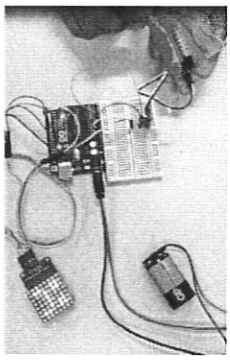
Penyelia Bersama *Co-Supervisor*	1. Name: No. Identification card:
Abstrak *Abstract*	Most of people love to plant. However, due to their busy schedule, they always missed to care their plant. Consumers should look for alternative in order to remind them to check their plant. This study aims to produce a device that can sense humidity in soil for a small plant. Users need to put the sensor in their plant soil. The sensor will sense whether the soil is dry or wet. If the soil is wet, the LED display will show smile emoji and if the soil is dry the LED display will show sad emoji and the buzzer will produce sound. In conclusion, this study has achived its objectives and impact positively on consumers mostly plant lover to make their routine in keep their plant in good condition easier. Besides, they can also save time, energy and money.

Keyword *Keyword* (max 5 word)	For plant lover.	
Objektif Projek *Project Objectives*	• To produce a device that can sense humidity in soil for a small plant. • To avoid plant from die or wilt. • To create a user friendly device with an attractive human interface.	
Skop Projek *Project scope*	• Plant Emoji is to be use in a small vase only. • This model used for a small plant that need a lot of water such chilli plant, flower plant and others container plant.	
IP No		
Dapatan *Finding* *(500 words max)*	Our finding from this project is firstly this project have been designed to plant lovers to make their routine in take care of their plant easier. Secondly, This model can be used until the battery is empty and we can replace the new battery.Besides, by using this project we can save water, energy and money.	
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* *(500words)*	1. The case of the product can be improved to be more attractive and lost-lasting. 2. The display is more attractive.	
Gambar berkaitan projek *Picture related to project* (700kb)	 *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.*