LAMPIRAN J

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	Kejuruteraan Elektronik Komputer (DTK)
Jabatan *Department*	Jabatan Kejuruteraan Elektrik
Semester/ Tahun *Semester/ Year*	Semester 5 (Jun 2018)
Tajuk Projek *Project Title*	Green Tech Solution
Jenis Projek *Type of Project*	Pertanian
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: Ainol Aina Binti Tarnawa No. Identification card:980623-01-5580 2. Name:Mahirah Nabilah Binti Shamsul Bahar No. Identification card:981022-01-7534 3. Name: No. Identification card:
Penyelia *Supervisor*	Name: En. Zaiful Hizam Bin Hamidon No. Identification card:
Penyelia Bersama *Co-Supervisor*	1. Name: No. Identification card:
Abstrak *Abstract*	Green Tech Solution is a tools that serves as a process of tree watering automatically. This idea comes after seeing most communities living in the city do not have time to do activities. As well, we know most of those who live in city do not have the space and time to do planting activities. This system designed to help for watering plants at home, farm or factory and office. Beside that, this project we make the water system will control the watering by row. This project normally is designed to make a easy and also can help the busy people such as going the vacation, work and so on to simplify the process of watering the plants.

Keyword *Keyword* (max 5 word)	Green Tech Solution
Objektif Projek *Project Objectives*	• To make agriculture in free time . • Easy watering when people not in the house. • Develop an agriculture by the watering system. • Watering by row.
Skop Projek *Project scope*	• This Green Tech Solution system can be uses for residential terraced houses or condominiums that lack space for agriculture. • This device also we can use at school or colleges • But this project we more focusing for maintain the planting of agricultural trees.
IP No	
Dapatan *Finding* (*500 words max*)	We use Arduino and humidity sensor as our main product. Arduino is a microcontroller board based on the ATmega328(datasheet). It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog input, a 16 MHz ceramic resonator, a USB connection, a power jack, an ICSP header, and a reset button. The Arduino is really just an AVR 8-bit microcontroller with some extra hardware to make it faster to get up and running. That extra hardware includes. A USB-to-serial board microcontroller, as well as monitor the serial port from your computer. A humidity sensor (or hygrometer) senses, measures and reports the relative humidity in the air temperature. Relative humidity is the ratio of actual moisture in the air to the highest amount of moisture that can be held at the air temperature.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	• Projek akan ditambahbaikkan • Menambah baja dan racun serangga pada projek • Menyusun litar supaya lebih kemas •

Gambar berkaitan projek *Picture related to project* (700kb)	 *Figure 1 Green Tech Solution*	*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*