



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION
Program <i>Program</i>	DET
Jabatan <i>Department</i>	KEJURUTERAAN ELEKTRIK
Semester/ Tahun <i>Semester/ Year</i>	LIMA
Tajuk Projek <i>Project Title</i>	T ² HYDROPONIC SYSTEM
Jenis Projek <i>Type of Project</i>	INOVASI
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	SAINS TULEN
Ahli Kumpulan <i>Group member</i>	1. TAN CHEE LEONG 941226-04-5135 2. MUHAMMAD IRFAN HAKIM BIN CHE IZAZI 990904-10-5557 3. 4. 5.
Penyelia <i>Supervisor</i>	PN. NORANIZAH BINTI SOLIHIN 830121-01-5544
Penyelia Bersama <i>Co-Supervisor</i>	
Abstrak <i>Abstract</i>	T ² HYDROPONIC SYSTEM IS A PROJECT FOR SOLVE THE PROBLEM OF CONSUMER TO HAVE THEIR OWN HYDROPONIC SYSTEM. THE OBJECTIVE OF THIS PROJECT IS TO DESIGN A HYDROPONIC SYSTEM THAT HELP CONSUMER TO SAVE TIME AND ENERGY TO PLANT THEIR DESIRED HYDROPONIC PLANT.

Keyword <i>Keyword</i> (max 5 word)	HYDROPONIC
Objektif Projek <i>Project Objectives</i>	<ol style="list-style-type: none"> 1. BUILD A HYDROPONIC SYSTEM EQUIPPED WITH ARDUINO WITH TIMER. 2. BUILD A HYDROPONIC SYSTEM WITH HUMIDITY SENSOR (ON SECONDARY WATER PUMP) IF THERE IS PROBLEM WITH PRIMARY WATER PUMP. 3. BUILD A HYDROPONIC SYSTEM EQUIPPED WITH TEMPERATURE SENSOR WHICH ARE CONNECTED TO DC SERVO MOTOR THAT CONTROL SHADING OF THE ROOF TO AVOID HYDROPONIC PLANT FROM WITHERED.
Skop Projek <i>Project scope</i>	<ol style="list-style-type: none"> 1. OUR PRODUCT IS FOR CONSUMER WHO DID NOT HAVE EXPERIENCE IN HYDROPONIC. 2. OUR PRODUCT IS FIXED WITH TIMER TO PUMP WATER EVERY 3 HOURS. 3. OUR PRODUCT RUNS SECONDARY WATER PUMP THAT CONTROLLED BY HUMIDITY SENSOR AT 20% HUMIDITY (37°C). 4. OUR T² HYDROPONIC SYSTEM COMES WITH ARDUINO WITH SETTING TEMPERATURE OF 37°C THAT CONTROL SHADING OF THE ROOF TO OPEN AND CLOSE ACCORDING TO THE SURROUNDING TEMPERATURE.

IP No		
Dapatan <i>Finding</i> (500 words max)	WE HOPE THAT OUR PROJECT WILL ACHIEVED OUR OBJECTIVE AND EASE THE CONSUMER TO HAVE THEIR OWN HYDROPONIC SYSTEM WITH OUR T ² HYDROPONIC SYSTEM. IN ADDITION, THIS PROJECT WILL ALSO BENEFIT THE CONSUMER TO ALERT THEM TO ADD WATER TO THEIR HYDROPONIC SYSTEM EVERY DESIRED TIME. OUR PROJECT ALSO HAVE TEMPERATURE SENSOR TO SENSE THE TEMPERATURE TO AVOID DAMAGE ON HYDROPONIC PLANT.	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	WE HOPE TO IMPROVISE OUR T ² HYDROPONICS SYSTEM TO ALLOWED CONSUMER TO ADD WATER EVEN NOT AROUND THE HOUSE. WE ALSO HOPE TO MAKE OUR HYDROPONIC SYSTEM TO SPRINKLE WATER TO COOL DOWN THE PLANT IF THE SURROUNDING TEMPERATURE IS INCREASING ABOVE 37°C. BESIDES THAT, WE ALSO HOPE TO ATTACH THIRD WATER PUMP TO PUMP SOLUBLE FERTILIZER TO PLANTS EVERY 2 WEEKS. LASTLY WE WISH TO ADD WATER PH SENSOR TO MEASURE THE PH LEVEL OF WATER	
Gambar berkaitan projek <i>Picture related to project (700kb)</i>		
Rating/Level	POLITEKNIK	

**

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

