
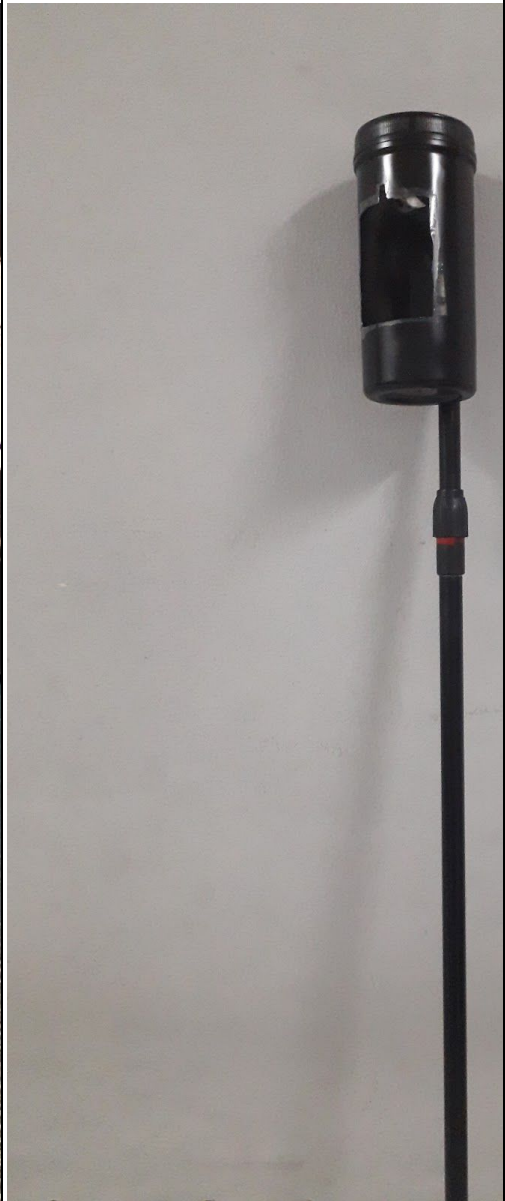




BORANG INVENTORI PROJEK PELAJAR

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>	DIY FRUIT PICKER
Jenis Projek <i>Type of Project</i>	INOVASI
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan <i>Group member</i>	1. MUHAMAD AQIL BIN HAZLI 990713-05-5593 2. NOOR SAFWAN BIN AZLAN 990307-10-5671 3. 4. 5.
Penyelia <i>Supervisor</i>	SARIATI BIN DALIB 640408-04-5508
Penyelia Bersama <i>Co-Supervisor</i>	DR. KAMARUDIN BIN MD TAHIR 630913-01-5917
Abstrak <i>Abstract</i>	<p>The idea of creating and designing this comes from project supervisors who has given us an idea to innovate the current fruit picker. In the process of designing and manufacturing fruit picker, it is compared to the source of the internet, magazines and appropriate data. The entire project involves various methods and processes such as including charging circuit for continuous use and step-up circuit for the required voltage in providing the needed input for the motor and measure the length of the pole(4m) to make sure it can reach the necessity length for cutting a fruit. This project is a project that has been done by 2 persons. Throughout the process of completing this project, we have applied the knowledge that have been studied through our whole 4 semester in this study</p>

	institute. As a whole, time management and discipline are crucial to ensuring that the project going smoothly. Through the whole process making this project we have identified on what component that we can use to ensure the circuit and the motor can be run as its intend too by executing many trials and error as the motor require a sufficient voltage input from the battery and designing how the fruit will be pluck by also adding a basket to protect the quality of the fruits.
Keyword <i>Keyword</i> (max 5 word)	FRUIT PICKER
Objektif Projek <i>Project Objectives</i>	<ol style="list-style-type: none"> 1. Help user to pluck the fruits that are higher than 3 meter height. 2. Designed to pluck fruit faster using an electrical cutter. 3. Prevent fruit damage from falling on the ground.
Skop Projek <i>Project scope</i>	<ol style="list-style-type: none"> 1. This project is targeted for individual that are interested in having their own fruit garden in their own house premises to pick fruit. 2. The motor can only cut a branch that have a thickness with a diameter of 10 milimetre. 3. Rechargeable power supply provide will only make the device stay on for only certain amount of time 4. Length of pipe can reach up to 2 meter high. 5. Target fruit are Rambutan and Mango.

IP No		
Dapatan <i>Finding</i> (500 words max)	From our observations, our projects have achieved the goals we have set	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	1. using a more stable pole. 2. get sponsorship funds to improve the quality of the internal components.	
Gambar berkaitan projek <i>Picture related to project</i> (700kb)		

Rating/Level	JABATAN	

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.

