LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DEP5A
Jabatan *Department*	JKE
Semester/ Tahun *Semester/ Year*	Semester 5 / JUNE2017
Tajuk Projek *Project Title*	Recycle Electric Car
Jenis Projek *Type of Project*	Hardware
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: Too Lap Liang No. Identification card: 960915016667 2. Name: Sarvin A/L Suresh No. Identification card: 971206-01-5999 3. Name: Chagilah A/P Subermaniam No. Identification card: 951201-04-5576.
Penyelia *Supervisor*	Name: Encik Amir bin Awang No. Identification card:
Penyelia Bersama *Co-Supervisor*	1. Name: No. Identification card:
Abstrak *Abstract*	The idea of this project starts from encouraging people to recycle and use recycling materials to build a plastic electric car. This product also can be a toy for children and let them not wear glasses during childhood. Parent also can make this product at home and can stimulate interested children. First of problem statement is because now many children wear glasses. The objective is when get this produce, hope can decrease children wear glasses.

Keyword *Keyword* (max 5 word)	Reuse, Reduce, Recycle	
Objektif Projek *Project Objectives*	i) When get this product, hope can decrease children wear glasses. ii) Parent can take the time make this product give them children to avoid the electronic product radiation. iii) I design a switch on/off.	
Skop Projek *Project scope*	i) The battery power can use 9v. ii) The battery can use to time above.	
IP No		
Dapatan *Finding* (*500 words max*)	When I done this product, I hope can help children let's them no need wear glasses in childhood.	
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	-I hope in future, recycle electric car have a remote control also use recycle materials.	
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.*

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PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DEP5A
Jabatan *Department*	JKE
Semester/ Tahun *Semester/ Year*	SEMESTER 5
Tajuk Projek *Project Title*	Automatic Library Counter System Using Arduino Technology
Jenis Projek *Type of Project*	
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:Muhamad Hanaffi Bin Tomirin No. Identification card:960309-01-5373 2. Name:Ahmad Mustapha Bin Muhamad No. Identification card:951124-04-5555 3. Name:Syaheira Binti Siam No. Identification card:960518-01-6428
Penyelia *Supervisor*	Name:Pn. Hjh Normah Binti Jantan No. Identification card:650505-01-5668
Penyelia Bersama *Co-Supervisor*	1. Name:Pn. Nurul Najwa Binti Md Yusof No. Identification card:

Abstrak *Abstract*	There are so many people use library in one time. It hard to know how many people use the library. The library use manual method to count the number of students who entered the library. The library is also need information of reading material by survey done to the student. Number of students using library can effect quality system provided by library. So we do a project to help library know how many people enter the library and can store the information in database in computer. It can solve problem faced by the library and help the management overcome the problem encountered. The project we want to produced needed a few factor that should be taken consideration until that project implemented. To get a quality project we need to know type of material, design, component that we used installation method and maintenance , product safety, structural strength, project size and so on. This to make sure no problem happen when completing this project.
Keyword *Keyword* (max 5 word)	Automatic Library Counter System
Objektif Projek *Project Objectives*	1) To find out the number of students who entered the library. 2) To create data base of user library for management. 3) Management of library can have many program to attract student to use library facility.
Skop Projek *Project scope*	The scope of this study we use 5v for projects using arduino. This project we also use the LCD to display the number of students who entered the library and all information on the number will continue to be entered into the computer system to facilitate the management to find out the number of students in day and month.