LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DTK
Jabatan *Department*	KEJURUTERAAN ELEKTRIK
Semester/ Tahun *Semester/ Year*	LIMA
Tajuk Projek *Project Title*	AUTOMATIC KITCHEN EXTRACTOR USING NODEMCU ESP32
Jenis Projek *Type of Project*	INOVASI
Kategori Kluster Penyelidikan *Category/ research Cluster*	TEKNOLOGI DAN KEJURUTERAAN
Ahli Kumpulan *Group member*	1. MUHAMMAD AMIR BIN AZHAR 980811055141 2. SYED KHAIRUL AZHAR BIN SYED TAJUDDIN 990629-14-5641 3. 4. 5.
Penyelia *Supervisor*	EN. MOHD FARIS BIN HASHIMUDDIN 780725-01-6537
Penyelia Bersama *Co-Supervisor*	
Abstrak *Abstract*	Kitchen Extractor, known as exhaust fan, is a tool used to remove hot air and stink from sealed space and no airflow. Most kitchen extractors should be manually opened and often forgotten to open and close kitchen extractors. Due to the neglected care of the kitchen maker, it is a problem for owners and individuals around the area. This project was created to facilitate users to turn on and turn off the kitchen extractor automatically which encountered a default problem and forgot to follow the procedure during cooking at the restaurant and in the house. This product is realized by esp32 programmed to control the sensors and exhaust fan on kitchen extractors. This project can help chefs and customers to feel more comfortable while in the restaurant.

Keyword *Keyword* (max 5 word)	Auto Kitchen Extractor
Objektif Projek *Project Objectives*	1. To design an Automatic Kitchen Extractor by using NodeMCU ESP32. 2. To decrease the temperature in the kitchen below 40'C using the exhaust fan from the project. 3. To notify the chef/users about the gas leakage through telephone using Blynk application.
Skop Projek *Project scope*	i. The auto kitchen extractor where control by using NodeMCU ESP32 which is programmed by using the software Arduino IDE. ii. The kitchen extractor will automatically turn on when detecting the smoke/gas above 200ppm. iii. The kitchen extractor also automatically turn on when sense the temperature up to 38'C. iv. When detecting the smoke/gas level up to 200ppm its will notify the user through telephone by using Blynk application.

IP No		
Dapatan *Finding* (*500 words max*)	1. Article (google scholar) 2. Research 3. Observation	
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	We would like improve our quality product by using more durable materials. Beside we also wanted to add weight scale sensor to calculate the weight of the gas which it can inform to the user that their gas is empty.	
Gambar berkaitan projek *Picture related to project* (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.