LAMPIRAN J

POLITEKNIK MALAYSIA

# BORANG INVENTORI PROJEK PELAJAR

| PERKARA | MAKLUMAT<br>*INFORMATION* |
|---|---|
| Program<br>*Program* | DTK5B |
| Jabatan<br>*Department* | Electronic Engineering (Computer) |
| Semester/ Tahun<br>*Semester/ Year* | Sem 5 |
| Tajuk Projek<br>*Project Title* | Carbon Monoxide(CO) tracking system using GSM |
| Jenis Projek<br>*Type of Project* | Hardware |
| Kategori Kluster Penyelidikan<br>*Category/ research Cluster* | Tanda " / " pada yang berkenaan:<br>*Please tick " / " where applicable:*<br><br>[ ] Sains tulen (*Pure Science*)<br>[ ] Sains gunaan (*Applied Science*)<br>[/] Teknologi dan kejuruteraan (*Technology and Engineering* )<br>[ ] Sains kesihatan dan klinikal (*Clinical and Health Sciences*)<br>[ ] Sains sosial (*Social Sciences*)<br>[ ] Sastera dan sastera ikhtisas (*Arts and Applied Arts*)<br>[ ] Warisan alam dan budaya (*Natural Sciences and National Heritage*)<br>[ ] Teknologi maklumat dan komunikasi (*Information and Communication Technology*) |
| Ahli Kumpulan<br>*Group member* | 1. Name: Nur Afiqah Hani binti Senin<br>No. Identification card: 14DTK15F1044<br>2. Name: Muhammad Amril Aizzuddin bin Mohd Isa<br>No. Identification card: 14DTK15F1019<br>3. Name: Aida binti Idris<br>No. Identification card: 14DTK15F1024 |
| Penyelia<br>*Supervisor* | Name: Cik Nor Damsyik binti Mohd Said<br>No. Identification card: 780725-01-6537 |
| Penyelia Bersama *Co-Supervisor* | 1. Name:<br>No. Identification card: |
| Abstrak<br>*Abstract* | The objective of this project "Carbon Monoxide (CO) tracing system using GSM are to display the reading of CO gas on LCD display, to allocate hand phone number using Google Finder and to detect CO gas using GSM. This is a gas sensor system with Arduino Uno which can detect carbon monoxide and more prefer the vehicles and in industry. The quantity of gas will display on the LCD Display. This project used Google Finder to allocated the hand phone number of user. Then user |

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| | will know if the CO gas level in danger through message that send using GSM. This project use Arduino Uno, buzzer, fan, LED, LCD and GSM. The result of this project if the reading of PPM is more than 500 the LCD will display the reading and LED red will on, the buzzer will ON and the fan will ON to reduce the gas then the GSM will send message to the user. The conclusion of this product can reduce the carbon monoxide(CO) gas in industry either in the vehicles. |
| Keyword<br>*Keyword*<br>(max 5 word) | Carbon Monoxide(CO) tracker using GSM |
| Objektif Projek<br>*Project Objectives* | 1. To display the reading of CO gas on LCD display.<br>2. To allocate hand phone number using Google Finder.<br>3. To detect CO gas using GSM. |
| Skop Projek<br>*Project scope* | **1. Targeted user:**<br>User that use a car and factory worker<br>**2. Software used:**<br>Arduino IDE |
| IP No | |
| Dapatan<br>*Finding*<br>*(500 words max)* | - When the reading of LCD display is more that 500 PPM, the LED red will ON and buzzer will ON.<br>- When the reading of LCD display is less that 500 PPM, the LED green is ON and buzzer will OFF. |
| Cadangan untuk kerja-kerja akan datang<br>*Suggestion for future work*<br>*(500words)* | - We suggest this project implement to real air system in the car or either in industry. It will make the quantity gas CO in car reduce more faster and effective.<br>- We suggest to add exhaust fan to reduce the CO in the industry or car before it's too late to take first step before GSM send message to the user. |

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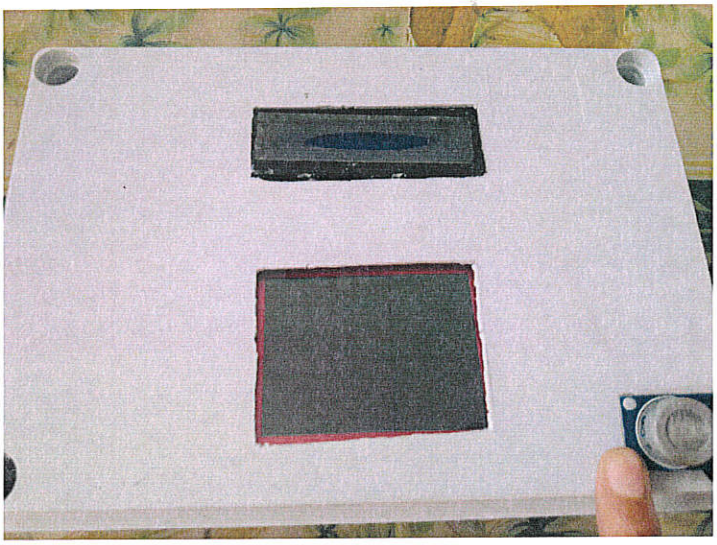
| Gambar berkaitan projek<br><br>*Picture related to project* (700kb) |  |
| Rating/Level | **Jabatan**/ Politeknik/ Kebangsaan/ Antarabangsa<br>***Departments*** */ Institutes / National / International* |
| | |

** 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 proje*