



BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT INFORMATION																
Program <i>Program</i>	DTK5B																
Jabatan <i>Department</i>	JKE																
Semester/ Tahun <i>Semester/ Year</i>	5																
Tajuk Projek <i>Project Title</i>	PERFUME ALCOHOL DETECTOR																
Jenis Projek <i>Type of Project</i>	Hardware and software.																
Kategori Kluster Penyelidikan <i>Category/ research Cluster</i>	<p>Tanda “ / ” pada yang berkenaan: Please tick “ / ” where applicable:</p> <table border="1"> <tr><td><input type="checkbox"/></td><td>Sains tulen (<i>Pure Science</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains gunaan (<i>Applied Science</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>/ Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sains sosial (<i>Social Sciences</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)</td></tr> <tr><td><input type="checkbox"/></td><td>Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)</td></tr> </table>	<input type="checkbox"/>	Sains tulen (<i>Pure Science</i>)	<input type="checkbox"/>	Sains gunaan (<i>Applied Science</i>)	<input type="checkbox"/>	/ Teknologi dan kejuruteraan (<i>Technology and Engineering</i>)	<input type="checkbox"/>	Sains kesihatan dan klinikal (<i>Clinical and Health Sciences</i>)	<input type="checkbox"/>	Sains sosial (<i>Social Sciences</i>)	<input type="checkbox"/>	Sastera dan sastera ikhtisas (<i>Arts and Applied Arts</i>)	<input type="checkbox"/>	Warisan alam dan budaya (<i>Natural Sciences and National Heritage</i>)	<input type="checkbox"/>	Teknologi maklumat dan komunikasi (<i>Information and Communication Technology</i>)
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Penyelia <i>Supervisor</i>	Name: CIK NOR DAMSYIK BINTI MOHD SAID No. Identification card: -																
Penyelia Bersama <i>Co-Supervisor</i>	1. Name: - No. Identification card: -																
Abstrak <i>Abstract</i>	<p>This project about Perfume Alcohol Detector. The idea of this project started with the consumer awareness regarding the use of alcohol. Nowadays as a user, usually using alcohol in our lifestyle. At the same time, the user still confusing whether that the solution are free from alcohol. This project created for making an application for those user to make research or to study rate of alcohol in a chemicals. This project were made is to make the researcher or perfume examiner easy to analyse the rate of alcohol in the perfume. Besides that, this project also have an interface to Microsoft Excel. So, researcher or perfume examiner doesn't have to record the reading of the alcohol rate. As the conclusion Objective of this project have been achieve and also the variety implementation of project submitted by the method and its application can be utilized and beneficial to everyone. Perhaps someday, this project can be market and become an additional tool in the future despite various advanced.</p>																

Keyword <i>Keyword</i> (max 5 word)	PERFUME ALCOHOL DETECTOR	
Objektif Projek <i>Project Objectives</i>	<ul style="list-style-type: none"> • The formula have been show in the form of unit mg/L. • Create a special table that shows the rate of alcohol and type of the perfume. • Make an interface to Microsoft Excel to create a table that consist the data of the alcohol rate. 	
Skop Projek <i>Project scope</i>	<ul style="list-style-type: none"> • Used Arduino UNO board as the base of the circuit. • One Gas Sensor which is MQ-3 that used to detect the alcohol. • Used Processing software to make interface to Microsoft Excel. • For the display used 16x2 LCD. • Used three button that have different function. • Testing the alcohol sensor using alcohol perfume for demonstration. • Type of alcohol perfume is Eau De Parfum (EDP), Eau De Toilette (EDT), Eau De Cologne (EDC) and Parfum. 	
IP No		
Dapatan <i>Finding</i> (500 words max)	The user can know the rate of alcohol reading with formula that display on the LCD. All the date of rate of alcohol that obtain are automatically save in the Microsoft Excel when run the Processing software. User can know the type of perfume either Eau De Perfume (EDP), Eau De Toilette (EDT), Eau De Cologne (EDC) and Parfum.	
Cadangan untuk kerja-kerja akan datang <i>Suggestion for future work</i> (500words)	Upgrade the sensor that can detect with more high concentration level of alcohol. That focus more to hazardous alcohol. Besides, add an USB port for the project, to transfer the Microsoft Excel file using USB flash drive. To make it more portable for the user.	
Gambar berkaitan projek <i>Picture related to project</i> (700kb)	 <p style="text-align: center;">Figure 1</p>	 <p style="text-align: center;">Figure 2</p>

Rating/Level	<u>Jabatan/ Politeknik/ Kebangsaan/ Antarabangsa</u> <i>Departments / Institutes / National / International</i>

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