LAMPIRAN J

POLITEKNIK MALAYSIA

BORANG INVENTORI PROJEK PELAJAR

PERKARA	MAKLUMAT *INFORMATION*
Program *Program*	DIPLOMA KEJURUTERAAN ELEKTRONIK(KOMUNIKASI)
Jabatan *Department*	JKE
Semester/ Tahun *Semester/ Year*	5
Tajuk Projek *Project Title*	COMPONENT ELECTRONIC MULTITESTER
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*)
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Abstrak *Abstract*	Component tester are used to test the functional of the component before the component get use in a complete circuit . This tester help engineers , lecture and students to ease the user to detect the any damage of the component . Some circuit are not be able to complete because of undetectable damages of any of component before installation . This problem would lead to project failure and eventually cause a nuisance to install and uninstall a little component because its damage cannot be detected . In this innovation of a tester , variable component damages could be tested before an installation of a circuit . A tester can be troublesome in term of efficiency and an accuracy .

	These tester are connected in variable of circuit of component testing so that variable component can be test . Some of the tester cannot be used on other component , so its consume time in order of testing rather than doing experiment or project . Tester that multipurpose and friendly used are what all of the electrical user needed in their life . This tester using LED and buzzer for functioned signal of a component . Rather than just a LED , buzzer also applied on this tester so that user can extra alert on the component damages.
Keyword *Keyword* (max 5 word)	MULTITESTER
Objektif Projek *Project Objectives*	1. Create a all in one electronic tester circuit that can be used to testing most of electronic components. 2. To make a special measurement that very user friendly and efficient to tested all electronic components. 3. To minimize time and helps people to easily identify good components when doing electronic activities.
Skop Projek *Project scope*	1. Are focusing on rebuilding a tester based on an available circuit which is all in one tester circuit. 2. LED are used as output that determine either the component are useful or damaged . 3. Component tester are apply to the tester for polarity, continuity, logic state and multi vibrator.
IP No	nil
Dapatan *Finding* (*500 rds max*)	1.Able to test any electronic component using one tester. 2.Friendly user and efficient to all component. 3.Easy to use and will make easier to testing component.
Cadangan untuk kerja-kerja akan datang *Suggestion for future work* (*500words*)	As a suggestion for improving the project tester, a buzzer should be added as an audio feature so that sound are displayed when testing. To make this project more advanced, op amp circuit are suggest to be added so more rare used component can be tested its continuity. Tester project has the advantages that amplifier and switching circuit are should be provide as a feature that being more user friendly for everyone.

Gambar berkaitan projek *Picture related to project* (700kb)	 *Figure 1*	 *Figure 2*
Rating/Level	Jabatan/ Politeknik *Departments / Institutes*	

***** *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*