



اونيورسيتي تيكنيكل مليسيا ملاك

UNIVERSITI TEKNIKAL MALAYSIA MELAKA

# DIGITAL COLLECTION UTeM

USER MANUAL GUIDELINE

<https://digitalcollection.utem.edu.my/>

# How to search for publications at Digital Collection UTeM

The screenshot displays the Digital Collection UTeM interface. At the top right, there is a 'Simple Search' section with a search input field and a 'Search' button. Below this, the main content area is titled 'Welcome to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION'. A green banner below the title contains a checkmark icon and the text: 'Welcome to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION. [Formerly known as http://eprints2.utem.edu.my](http://eprints2.utem.edu.my)'. To the right of the banner are three RSS feed icons: Atom, RSS 1.0, and RSS 2.0.

On the left side, there is a 'Browse By Repository:' menu with the following items: Home, About, Latest Additions, Search Repository, Browse by Year, Browse by Subject, Browse by Division, Browse by Author, Browse by Type, Policies, and Statistic. Annotations with arrows point to 'Latest Additions' (labeled 'Search by Latest Additions'), 'Search Repository' (labeled 'Search by Repository'), and a group of 'Browse by Year', 'Browse by Subject', 'Browse by Division', 'Browse by Author', and 'Browse by Type' (labeled 'Browse Category').

The main search area is titled 'Search Collections in this Repository' and includes the instruction: 'Search any collection in the institutional repository using a full range of fields. Use this search field for a quick search.' Below this, there are three search fields: 'Title:', 'Creators:', and 'Keywords:', each with a dropdown menu set to 'all of' and a search icon. Below these fields is an 'Item Type:' section with a grid of checkboxes: Final Year Project, Show/Exhibition, Image, Video, Buletin, Audio, Teaching Resource, Vice Chancellor Speech, and Other. At the bottom of the search area are two buttons: 'Search' and 'Reset the form'. An annotation 'Search by Title & Author' points to the search fields.

# Simple Search

[Login](#)

**Browse By Repository:**

- Home
- About
- Latest Additions
- Search Repository
- Browse by Year
- Browse by Subject
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

**The list of search result will be display**

Item matches "ENGINEERING"

Displaying results 1 to 20 of 3643.

[Refine search](#) | [New search](#) | [1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#) | [9](#) | [10](#) | [11](#) | [Next](#)

Order the results:

Export 3643 results as   [RSS 1.0](#) [Atom](#) [RSS 2.0](#)

1. Omar, Ghazali (2021) [12th Malaysian Technical Universities Conference on Engineering and Technology \(MUCET\) 2021](#). [Vice Chancellor Speech] (Submitted) 
2. Abdul Rahim, Raha (2021) [Officiating Ceremony Of Engineering Knowledge Transfer Unit \(EKTU\) UTeM ERASMUS United](#). [Vice Chancellor Speech] (Submitted) 
3. Husain, Syahroni (2021) [Design And Simulation Of Cam Operated Iris Mechanism](#). Project Report. UTeM, Melaka, Malaysia. (Submitted) 
4. Abdul Nasir, Muhammad Asif Asyraf (2020) [Development Of A Machine To Assist Wheelchair Users To Board A Bus](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted) 
5. Abdul Rahman, Hazim (2020) [A Study Of Tyre Contour Design By Using Biomimicry Concept: A Case Study Of Bionic Tyre](#). Project Report. UTeM, Melaka, Malaysia. (Submitted) 
6. Baskaran, Roshini (2020) [Design And Analysis Of Automated Whiteboard Cleaner](#). Project Report. UTeM, Melaka, Malaysia. (Submitted) 

**1. Enter keyword, and click the search button**

**2. Click on the title to view detailed bibliographic information**

# Simple Search

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**Browse By Repository:**

- Home
- About
- Latest Additions
- Search Repository
- Browse by Year
- Browse by Subject
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

## Development Of A Machine To Assist Wheelchair Users To Board A Bus

Abdul Nasir, Muhammad Asif Asyraf (2020) *Development Of A Machine To Assist Wheelchair Users To Board A Bus*. Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

 Text  
Development Of A Machine To Assist Wheelchair Users To Board A Bus.pdf  
[Download \(499kB\)](#)

Official URL: <https://plh.utem.edu.my/cgi-bin/koha/opac-detail.p...>

**Abstract**

People with physical movement disabilities will likely to have some difficulties in moving from one place to another. A wheelchair has been invented for them in order to make their daily life become easier. Although the use of wheelchair can help people with disabilities to move, they still have a problem in getting onto the bus. Therefore, a few mechanisms such as hydraulic wheelchair lift, ramp and bridge plate has been invented to solve this problem. The purpose of this project is to introduce a new mechanism and improve the existing wheelchair mechanism to help wheelchair users to get into the bus. This new mechanism was designed to enable a lifting process occur at the standard bus that has a high stairs. The design process of this mechanism is started with a survey among civilians which includes some person with disabilities and some students. Through the data obtained from the survey, a House of Quality has been produced to convert the customer requirements into the engineering characteristics. Then, a Product Design Specification is produced in order to be used as a project target specification that must be met. Furthermore, a Morphological Chart is used to obtain some conceptual design whereas the final designs is selected through the Weighted Decision Matrix. After the 3D final design is produced using SolidWorks 2016, some analyses and simulation has been carried out in order to obtain the workability and functionality of the design. A motion study was conducted to observe whether the product design is able to lift the required load or not. Using motion study, the trace path, velocity, acceleration and amount of force use to lift the required load can be determined. Next, a simulation on stress analysis is conducted to obtain the stress data so that the factor of safety of the product design can be classified. Conclusion and recommendation about the project are discussed further

**Item Type:** Final Year Project (Project Report)

**Uncontrolled Keywords:** Human engineering, Design Human factors

**Subjects:** [T Technology > T Technology \(General\)](#)  
[T Technology > TA Engineering \(General\)](#), [Civil engineering \(General\)](#)

**Divisions:** [Library > Projek Sarjana Muda > FKM](#)

**Depositing User:** [Norfaradilla Idayu Ab. Ghafar](#)

**Date Deposited:** 27 Oct 2021 03:49

**Last Modified:** 27 Oct 2021 03:49

**URI:** <http://digitalcollection.utem.edu.my/id/eprint/25404>

3. Click on the text icon to read the article

View of full bibliographic information

# Search By Title & Author

[Login](#)

**Browse By Repository:**

- Home
- About
- Latest Additions
- Search Repository
- Browse by Year
- Browse by Subject
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

Welcome to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION

Welcome to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION. [Formerly known as http://eprints2.utm.edu.my](http://eprints2.utm.edu.my)

[Atom](#) [RSS 1.0](#) [RSS 2.0](#)

**Search Collections in this Repository**

Search any collection in the institutional repository using a full range of fields. Use this search field for a quick search.

**Title:** all of  ?

**Creators:** all of  ?

**Keywords:** all of  ?

**Item Type:**

- Final Year Project
- Show/Exhibition
- Image
- Video
- Buletin
- Audio
- Teaching Resource
- Vice Chancellor Speech
- Other

1. Enter keyword for Title, Creators or Item Type, and click on the search button

# Search By Title & Author

[Login](#)

Browse By Repository:

- Home
- About
- Latest Additions
- Search Repository
- Browse by Year
- Browse by Subject
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

The list of search result will be display

Title matches "Examine The Curriculum" (Ignoring: "The")

Displaying results 1 to 1 of 1.

[Refine search](#) | [New search](#)

Order the results:  [Reorder](#)

Export 1 results as  [Export](#)

[RSS 1.0](#) [Atom](#) [RSS 2.0](#)

1. Mohd Zaki, Mohamad Amir (2020) [Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)



Displaying results 1 to 1 of 1.

[Refine search](#) | [New search](#)

Order the results:  [Reorder](#)

2. Click on the title to view detailed information

# Search By Title & Author

Login  Search

**Browse By Repository:**

- Home
- About
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- Browse by Year
- Browse by Subject
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

## Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions

Mohd Zaki, Mohamad Amir (2020) *Examine The Curriculum Course For Engineering Students At Malaysia Higher Educational Institutions*. Project Report. UTeM, Melaka, Malaysia. (Submitted)

 Text (24 Pages) **← User can view full for open access and for thesis only 24 pages**

[Download \(215kB\)](#)

Official URL: <https://plh.utem.edu.my/cgi-bin/koha/opac-detail.p...>

**Abstract**

The main purpose of this study is to examine the curriculum course for engineering students at Malaysia higher educational institutions. Firstly, the objective of this study is to examine the relationship between behaviourism, pragmatism, essentialism, constructivism and curriculum course for engineering students in Malaysia higher educational institutions. Second objective of this study is to determine the curriculum course that give most impact to engineering students in Malaysia higher educational institutions. Other than that, researcher also studies the relationship between four sub independent and engineering curriculum. The research identifies four independent variable that are behaviourism, essentialism, pragmatism and constructivism. This focus on one faculty in Universiti Teknikal Malaysia Melaka (UTeM). The population of this study consists of 1200 total of engineering students in UTeM. The sample of this study consist 291 of engineering students in UTeM. To collect the data and information needed, the researcher has used quantitative method in this study. The data needed was calculated through questionnaires. The method to accumulate research data was analysed by using Statistical Package for Social Science (SPSS).

**Item Type:** Final Year Project (Project Report)

**Uncontrolled Keywords:** Labor supply, Research, Labor market

**Subjects:** [H Social Sciences > HD Industries. Land use. Labor](#)

**Divisions:** [Library > Projek Sarjana Muda > FPTT](#)

**Depositing User:** [Sabariah Ismail](#)

**Date Deposited:** 12 Mar 2021 08:34

**Last Modified:** 12 Mar 2021 08:34

**URI:** <http://digitalcollection.utem.edu.my/id/eprint/25006>

**Actions (login required)**

**3. Click on the text icon to read the article**

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Browse by Subject
Browse by Division
Browse by Author
Browse by Type
Policies
Statistic

1. Click on 'Latest Additions'

## Latest Additions to UNIVERSITI TEKNIKAL MALAYSIA MELAKA DIGITAL COLLECTION

Today

The list of latest collections will be displayed

Ahmad Zaghlul Basha, Fitrah Nur Hidayah (2019) [Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)

Omar, Muhammad Idris (2018) [1 DOF \(Pitch\) Handheld Haptic Device](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Mohd Zainudin, Nur Aina Zayyani (2018) [Smart Auto Plant Monitoring System Using GSM](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Thevendran, Sasinthiran (2018) [Analysis Of Partial Occlusion On Human Pedestrian Detection](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Hamid, Ahmad Sabri (2018) [Development Of Smart Solar Tracking System With Blynk And ThingSpeak](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

2. Click on the title to view detailed bibliographic information

Yesterday

Kamaruddin, Mohd Syahril Amri (2018) [Numerical Analysis Of Transient Analysis Of RLC Circuit Under AC Supply](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Lee, Dai Jin (2018) [Synchronizing Control Of A Twin Axes Table Drive](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Yaacob, Muhammad Aiman (2018) [Optimization For PSMS By Using Particle Swarm Optimization](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Abdulwahid Mohammed Aldhubhani, Saeed Abdulhalim (2018) [An Implementation Of Fuzzy Controller For Micro-Gripper \(MEMS\)](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Ali Saif Gamil, Musaab (2018) [A Critical Analysis Of PID Tuning Methods For Automatic Voltage Regulator System](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

Ah Chun, Alary Benedo (2018) [Comparative Study Of Moisture Reduction Technique In Mineral Oil](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)

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## Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform

Ahmad Zaghlul Basha, Fitrah Nur Hidayah (2019) *Development Of An Electronic Educational Quiz Board That Test Student Knowledge On Laplace Transform*. Project Report. UTeM, Melaka, Malaysia. (Submitted)

 Text (24 Pages) [Download \(262kB\)](#)

Official URL: <http://plh.utem.edu.my:8080/cgi-bin/koha/catalogue...>

**Abstract**

This project is about development of educational quiz board on Programmable Logic Array (PLA) topic. This topic is in Digital subject and usually Digital subject is compulsory for electronic engineering student to learn it. In addition, the requirement for a student to graduate at Universiti Teknikal Malaysia Melaka (UTeM) in Engineering Technology courses is to pass the entire subject, especially for the subject Digital Electronic, because this is a core subject. Then, to help student pass this subject, the educational quiz board is designed. With this project, student can learn this subject by themselves. The objective for this project is to build a portable, cost effective and friendly user educational quiz board by using Arduino Mega. Also, the technology used in this project is Bluetooth technology. Bluetooth act as an interface between software and hardware for user application.

**Item Type:** Final Year Project (Project Report)

**Uncontrolled Keywords:** Programmable controllers, Laplace transformation

**Subjects:** [T Technology](#) > [TJ Mechanical engineering and machinery](#)

**Divisions:** [Library](#) > [Projek Sarjana Muda](#) > [FTKEE](#)

**Depositing User:** [Sabariah Ismail](#)

**Date Deposited:** 22 Mar 2022 02:14

**Last Modified:** 22 Mar 2022 02:14

**URI:** <http://digitalcollection.utem.edu.my/id/eprint/25319>

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**Advanced Search**

Don't panic! Just leave the fields you don't want to search blank. [Click here for a simple search.](#)

**Documents:** all of  

**Title:** all of  

**Authors:** all of  

**Abstract:** all of  

**Date:**  

**Uncontrolled Keywords:** all of  

**Subjects:**

- A General Works
- ...AC Collections. Series. Collected works
- ...AI Indexes (General)
- ...AM Museums (General). Collectors and collecting (General)
- ...AS Academies and learned societies (General)
- ...AZ History of Scholarship The Humanities
- B Philosophy. Psychology. Religion
- ...B Philosophy (General)
- ...BC Logic
- ...BD Speculative Philosophy
- ...BF Psychology
- ...BH Aesthetics

Any of these  

**Item Type:**

- Final Year Project
- Dataset
- Artefact
- Experiment
- Show/Exhibition
- Teaching Resource
- Composition
- Collection of Newspaper Cutting
- Performance
- Vice Chancellor Speech
- Image
- Technical Report

1. Click on 'Search Repository'

2. Enter keywords in the search field

# Search By Repository

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- Browse by Type
- Policies
- Statistic

**The list of search result will be display**

Title matches "science"

Displaying results 1 to 17 of 17.  
[Refine search](#) | [New search](#)

Order the results:

Export 17 results as   RSS 1.0 Atom RSS 2.0

1. Abdul Rahim, Raha (2019) [Majlis Penutup Microsoft Professional Program Data Science](#). [Vice Chancellor Speech] (Submitted)
2. Perpustakaan Laman Hikmah, Unit Rujukan (2019) [Science Direct & Scopus Training 2019](#). [Image] (Submitted)
3. Ibrahim, Zulkiflie (2019) [Perasmian Penutup Microsoft Professional Program Data Science](#). [Vice Chancellor Speech] (Submitted)
4. Abdul Wahab, Zulfanizam (2019) [Development Of Science Project For Sekolah Padang Temu](#). Project Report. Universiti Teknikal Malaysia Melaka, Melaka, Malaysia. (Submitted)
5. Shahrin, Sahib (2016) [National Science Competition For Melaka State](#). [Vice Chancellor Speech] (Submitted)
6. Chong, Cai Ning (2015) [Desicion Tree & Regression In Academic Innovation And Science Research](#). Project Report. UTeM, Melaka, Malaysia. (Submitted)

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 Text (24 Pages) [Download \(262kB\)](#)

Official URL: <http://plh.utem.edu.my:8080/cgi-bin/koha/catalogue...>

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**Search Collections in this Repository**

Search any collection in the institutional repository using a full range of fields. Use this search field for a quick search.

Title:   ?

Creators:   ?

Keywords:   ?

Item Type:

- Final Year Project
- Show/Exhibition
- Image
- Video
- Buletin
- Audio
- Teaching Resource
- Vice Chancellor Speech
- Other

1. Select any Browse category

# Browse Category

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- Browse by Year**
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- Browse by Division
- Browse by Author
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**Browse by Year**

Please select a value to browse from the list below.

- [2022](#) (1)
- [2021](#) (58)
- [2020](#) (186)
- [2019](#) (1167)
- [2018](#) (995)
- [2017](#) (1233)
- [2016](#) (1035)
- [2015](#) (1482)
- [2014](#) (667)
- [2013](#) (738)
- [2012](#) (514)
- [2011](#) (655)
- [2010](#) (806)
- [2009](#) (1072)
- [2008](#) (965)
- [2007](#) (702)
- [2006](#) (497)
- [2005](#) (389)
- [2004](#) (124)
- [2003](#) (11)
- [2002](#) (14)
- [2001](#) (6)
- [2000](#) (2)
- [Not Specified](#) (4)

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- Browse by Year
- Browse by Subject**
- Browse by Division
- Browse by Author
- Browse by Type
- Policies
- Statistic

**Browse by Subject**

Please select a value to browse from the list below.

- [Library of Congress Subject Areas](#) (13024)
  - [A General Works](#) (53)
    - [AC Collections. Series. Collected works](#) (33)
    - [AI Indexes \(General\)](#) (22)
    - [AM Museums \(General\). Collectors and collecting \(General\)](#) (1)
    - [AS Academies and learned societies \(General\)](#) (16)
    - [AZ History of Scholarship The Humanities](#) (2)
  - [B Philosophy. Psychology. Religion](#) (12)
    - [B Philosophy \(General\)](#) (10)
    - [BF Psychology](#) (9)
    - [BP Islam. Bahaism. Theosophy, etc](#) (3)
  - [D History General and Old World](#) (1)
    - [D History \(General\)](#) (1)
    - [DS Asia](#) (1)
  - [G Geography. Anthropology. Recreation](#) (46)
    - [G Geography \(General\)](#) (41)
    - [GA Mathematical geography. Cartography](#) (2)
    - [GB Physical geography](#) (2)
    - [GE Environmental Sciences](#) (2)
    - [GF Human ecology. Anthropogeography](#) (1)
    - [GT Manners and customs](#) (3)
    - [GV Recreation Leisure](#) (8)
  - [H Social Sciences](#) (1213)
    - [H Social Sciences \(General\)](#) (978)
    - [HB Economic Theory](#) (83)
    - [HC Economic History and Conditions](#) (22)
    - [HD Industries. Land use. Labor](#) (307)
      - [HD28 Management. Industrial Management](#) (5)
      - [HD61 Risk Management](#) (5)
    - [HE Transportation and Communications](#) (10)
    - [HF Commerce](#) (684)
      - [HF5601 Accounting](#) (1)
    - [HG Finance](#) (42)
    - [HJ Public Finance](#) (2)
    - [HM Sociology](#) (15)
    - [HN Social history and conditions. Social problems. Social reform](#) (3)
    - [HT Communities. Classes. Races](#) (19)
    - [HV Social pathology. Social and public welfare](#) (8)
  - [J Political Science](#) (1)
    - [J General legislative and executive papers](#) (1)
    - [JQ Political institutions Asia](#) (1)
  - [K Law](#) (7)

# Browse Category

Login  Search

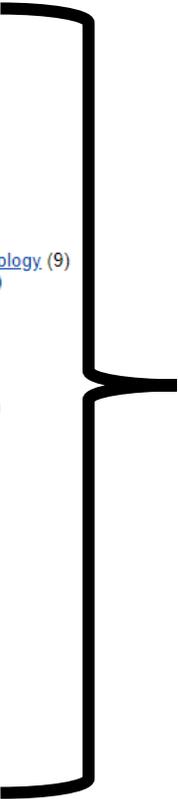
**Browse By Repository:**

- Home
- About
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- Search Repository
- Browse by Year
- Browse by Subject
- Browse by Division**
- Browse by Author
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**Browse by Division and Year**

Please select a value to browse from the list below.

- [University Structure](#) (13321)
  - [Centre for Languages and Human Development](#) (38)
    - [Department of Islamic Studies and Humanities](#) (34)
    - [Department of Languages](#) (3)
  - [Faculty of Electrical Engineering](#) (75)
    - [Department of Control, Instrumentation & Automation](#) (5)
    - [Department of Diploma Studies](#) (1)
  - [Faculty of Electronics and Computer Engineering](#) (73)
    - [Department of Computer Engineering](#) (6)
    - [Department of Industrial Electronics](#) (26)
  - [Faculty of Engineering Technology](#) (77)
    - [Department of Electrical Engineering Technology](#) (16)
    - [Department of Electronics & Computer Engineering Technology](#) (9)
    - [Department of Manufacturing Engineering Technology](#) (21)
    - [Department of Mechanical Engineering Technology](#) (28)
  - [Faculty of Information and Communication Technology](#) (96)
    - [Department of Industrial Computing](#) (6)
    - [Department of Interactive Media](#) (27)
    - [Department of Software Engineering](#) (23)
    - [Department of System and Computer Communication](#) (38)
  - [Faculty of Manufacturing Engineering](#) (35)
    - [Department of Engineering Materials](#) (15)
    - [Department of Manufacturing Design](#) (13)
    - [Department of Manufacturing Management](#) (4)
    - [Department of Manufacturing Process](#) (1)
    - [Department of Robotics and Automation](#) (1)
  - [Faculty of Mechanical Engineering](#) (31)
    - [Department of Automotive](#) (22)
    - [Department of Structure and Materials](#) (2)
    - [Department of Thermal Fluids](#) (1)
  - [Faculty of Technology Management and Technopreneurship](#) (26)
    - [Department of Technology Management](#) (11)
    - [Department of Technopreneurship](#) (8)
  - [Library](#) (12870)
    - [Projek Jangka Panjang / Pendek](#) (602)
      - [FKE](#) (81)
      - [FKEKK](#) (139)
      - [FKM](#) (103)
      - [FKP](#) (88)
      - [FPTT](#) (28)
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