

# UPgrade@UTeM

## PostGraduate Association

**A community with  
high expectations and  
high academic achievement.**

**Committed to excellence  
in the postgraduate activity.**

**POSTGRADUATE  
ACTIVITY HIGHLIGHTS**



## EDITOR'S NOTE

# “STRIVE TOGETHER”

Dr. Hyreil Anuar Kasdirin

Assalamualaikum and Greetings,

Welcome to the third edition of the UPgrade bulletin of UTeM.



We hope that this issue will provide valuable achievements in postgraduate activities at UTeM in the year 2020. We also highlight the current postgraduate workshop that enhances their skills as a researcher throughout the year of 2020. Further, in the postgraduate activity highlight section of this edition, we have included the activities by our postgraduate students that motivate and guide them through the right mindset as a researcher.



We would like to document more postgraduate achievements and discoveries in the next edition. We are looking forward to expanding the highlights of the UPgrade bulletin to make it more interesting and beneficial for the readers.

On behalf of the editorial board, I would also like to thank all UTeM staff members, postgraduate students, and the Centre for Graduate Studies (PPS) who have contributed to the success of this edition. We hope all of you will enjoy reading this 3rd edition of the UPgrade bulletin.

Best regards and enjoy reading.

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POSTGRADUATE ACTIVITY HIGHLIGHTS

# Annual General Meeting UPgrade

The 1st Annual General Meeting (AGM) of UPgrade was conducted on 20th September 2019. The ceremony was started with an opening speech from the Dean of PPS, Professor Ts. Dr. Noreffendy Bin Tamaldin and followed by Deputy Dean of PPS, Dr. Hyreil Anuar Bin Haji Kasdirin. The AGM focus on selecting the new UPgrade committee for the year 2019/2020. During the AGM, the majority supported and formally appointed Mr. Muhammad Anwar Fahmi Hari Das Abdullah as the President for the year 2019/2020.

Followed by Madam Anis Afuza Azhar as the Vice President, Madam Masturah Mesri as the Secretary, and Miss Cheok Yan Qi as the Treasurer for the year 2019/2020. The student representatives who volunteered to represent their respective faculties were Mr. Chong Chee Soon for Faculty of Electrical Engineering, Miss Solehah Jasmee for Faculty of Mechanical Engineering, Mr. Khairul Azmi Mohd Kassim for Faculty of Manufacturing Engineering, Mr. Ts. Mailasan Jayakrishnan for Faculty of Information and Communication Technology and Miss Farah Nadhirah Md Lazi for Faculty of Technology Management and Technopreneurship. Moreover, a few programs, events, and activities were discussed during this session for future planning. Thus, the AGM was extremely informative, transparent, open, and set the tone for the upcoming years.



By:  
Ts. Mailasan Jayakrishnan,  
PhD Student,  
President UPgrade 2019/2020,  
Faculty of Information & Communication Technology.



## Workshop on Design of Experiment (DOE)

Design of Experiment (DOE) is an efficient procedure for planning experiments so that the data obtained can be analyzed to yield valid and objective conclusions. The workshop was delivered by Associate Professor Dr. Md. Nizam Bin Abd. Rahman from Faculty of Manufacturing Engineering. His experience in conducting DOE since working in the industry and still used it in the academic field. Besides this statistical measurement technique is usually applied in a manufactured and mechanical industry. Moreover, the objectives of this workshop are giving knowledge to the student on differences between types of DOE, helping the postgraduate student to choose the suitable DOE method based on their research so that they will be more systematically and easier to analyse data and to encourage the postgraduate student in term of producing good research work.

This workshop was conducted in two sections, which are theory and applied using DOE software. It focuses on the introduction, one factor at a time (OFAT) vs DOE, experimentation strategy, various DOE techniques, case study using Full Factorial and RSM, and confirmation. Every chapter of the session, the speaker gave tutorials and hands-on how to use Design-Expert software. Most of them are very familiar with this software, and this helps a lot to understand this method. As a program director, I felt so honoured when got so much positives feedback. They asked me to do the workshop again and invited them. Since this is the first program I handle for this year, there are so many things that I can improve better. We can invite a speaker from other universities to share the knowledge too.



By:  
Suraya Binti Laily,  
PhD Student,  
Faculty of Manufacturing Engineering.



## SHARING Knowledge & EXPERIENCE THROUGH THIS WORKSHOP

I am one of the participants in this workshop. Since I am using DOE in my research work, this workshop was helpful. The presenter, Associate Professor Dr. Md. Nizam Rahman gave a good presentation, which concludes all about the DOE topics. Since I am using the same software as him, it was an advantage to me. The software used is the Design Expert Software. The speaker introduced what is DOE and share his knowledge and experience during working in the industry, where DOE was so familiar. His story just makes me realize that DOE not only a mathematical software, it was also a tool that very useful to apply. But in industry, the scope and data were huge compared to academic research. The speaker also explained how and when to use DOE. Not all the experiments need to do the screening process, some of them just can skip the screening process. Such as experiment with continuous research, setting machine with a constant value, and others.

The speaker focuses on how to use Design Expert Software. Many examples of Full factorial and RSM was used during the workshop. With a Q&A session along with the workshop, the audience can share knowledge and their problems. This brings a lot of fun, laugh, and happening during the workshop session. I think this kind of workshop need to be repeated and open to many more audience. So that, we can get more knowledge in terms of DOE. Thank you to UPgrade.

Participant:  
Siti Asiyah Binti Mat,  
Master Student,  
Faculty of Manufacturing Engineering.



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Associate Professor Dr. Md. Nizam Rahman was the presenter on that day. He was very experienced using DOE, especially in the RSM method. Sharing knowledge and experience with him, make us very comfortable to share our problems. Since he was worked in the industry for more than 10 years and used this method for solving company problems. Since DOE contains three methods, the presenter explained the critical one which is RSM and Full factorial. The other one is the Taguchi method. With detailed explanations and step by step, the audience can easily follow the instructions. Since there, many hands-on examples, and needed more time to discuss, the presenter just picked a few of them.

Thank you to UPgrade for organizing this workshop. It was very knowledgeable and gave a lot of experience in terms of managing DOE itself. Hope to have another DOE workshop later.

Participant:  
Nur Dalilah Binti Johari,  
PhD Student,  
Faculty of Manufacturing Engineering.



## Registration Day for New Students 2019/2020

Registration day for new students was held on 6th and 7th February 2020 (Thursday and Friday) from 9.00 am to 4.00 pm at Lecture Room 5, Centre of Postgraduate Studies, Universiti Teknikal Malaysia Melaka. On both days, four representatives from UPgrade were involved in the registration section for assisting the new students. 7 counters were operating during the registration process which was the Centre of Postgraduate Studies counter, counter from each faculty, bursary counter, counter from Division of Management and Organization (BPO) for matric card, Centre of Knowledge and Computer Service (PPPK), souvenirs counter and UPgrade counter.

Firstly, the new students will undergo the scanning (filtration) process from Klinik Kesihatan, UTeM. The purpose of this process is to make sure the students are free from the COVID'19 Virus. If any symptoms are detected, they will be quarantined in a special room that has been provided. At the Centre of Postgraduate Studies counter, their offer letter will be processed and proceed to the faculty counter for further action. Then, they will pay their fees at the bursary counter. After they get the receipt, the new students will go to the Division of Management and Organization (BPO) counter to snap their photo for matric card submission. Next, they will register their subject according to their current semester via SMPs online system. If any issue exists, staff from PPPK will assist them.

After the subject registration process, they will go to the next counter to get their souvenirs. Lastly, they will go to the UPgrade counter which they are explained on the Centre of Postgraduate Studies website, UPgrade website, UTeM's student portal, Facebook page of Dean and UPgrade, and a brief explanation about UPgrade upcoming event. The registration day gives me a new experience on how to manage an event smoothly. Teamwork contribution from each person is very important to make the event successful. Thank you UPgrade for this memory and experience!



By:  
Masturah Binti Mesri,  
Master Student,  
Secretary UPgrade 2019/2020,  
Faculty of Manufacturing Engineering.



## Effective Journal Publishing Strategies

One of the most important parts of professionalization is being able to publish your research. Conducting research and writing a publishable paper before starting the thesis. Moreover, publishing comes from submitting papers to journals, incorporating reviewer comments, conference papers, and having conversations with colleagues and supervisors. Academic research has its style of writing, which has a sense of the conversations in a model for your work. Besides knowing a few things about the purposes and effective writing will help you get published.



By:  
Ts. Mailasan Jayakrishnan,  
PhD Student,  
President UPgrade 2019/2020,  
Faculty of Information & Communication Technology.

Therefore, providing the knowledge and disclosure about Scopus indexed journals and Web of Science (WOS) will optimize the research contribution to the readers. Thus, it also helps the postgraduate students to choose the right journal according to their field of study that emphasis achieving Graduate on Time (GOT). Moreover, it indicates a logical manner that intends to pursue a career as an academic or scientific researcher. The contributions of an article can be theoretical, empirical, and relevant that leads to the gaps in the literature in terms of information that the reader needs to know to understand your argument. Besides, effective journal publishing emphasis what you have done in the article writing that broader the themes of your results and how they tie together about your main findings.





## Workshop on Formatting Thesis Using Ms Word

An initial idea to raising about the need for a thesis template workshop has sparked in mind since February 2019. In my surroundings, a reasonable number of postgraduates, particularly those above two years of study have shown interest to participate in that kind of training for their thesis preparation. We were noticed several similar workshops outside UTeM, yet a portion of postgraduates was burdened by cost, distance, and other constraints. It is expected to benefit graduate students to write thesis through the Ms. Word application easily and effectively.

The speaker Dr. Khairul Anwar Bin Ibrahim, senior lecturer from the Faculty of Electrical Engineering who is the developer of the UTeM Thesis template. I am pleased to announce here that the workshop is the first in UTeM using its thesis template. The tentative workshops are as follows. The first module begins with a description of the thesis

template and UTeM's guideline, PC settings for the usage preparation, understand Template. dotx file, the way to use the pre-set style gallery and the full content of UTeM's template.

To complement the workshop, the second module provides hands-on guides for quick and efficient thesis writing and formatting. For me and my fellow participants, the moment was so rewarding that the speaker was able to devote his full knowledge to help us. After the end of the workshop, two main objectives have been achieved. First, it has revealed the importance of Ms. Word in assisting student thesis reports. Second, the existing speaker's knowledge has provided participants with the help to improve the quality of the thesis according to university standards. Each participant hopes that such knowledge can be practiced once the workshop was over.



By:  
Noraniza Binti Md Jani,  
PhD Student,  
Faculty of Information & Communication Technology.



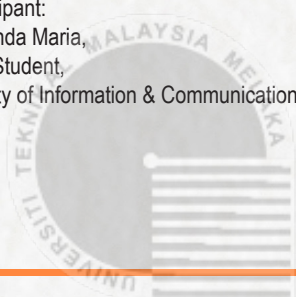
## SHARING Knowledge & EXPERIENCE THROUGH THIS WORKSHOP

The thesis format could be confusing and adjusting details during the writings could be tedious and stressful. But afraid not, thesis formatting workshop is the solution for it. Attending a thesis formatting workshop is considered one of my best decision during my study. The workshop was great and useful especially for postgraduate students who are struggling in writing a thesis regarding the format. The speaker helps introduce the UTeM thesis guidelines and go through the full template in detail. He explained everything that you need in thesis format. The information given is received easily, the speaker delivers the information along with the tips and tricks in using the thesis template.

Even if you think that you are good enough with Microsoft Word software, you will still learn some new tricks during the workshop. It shows that the speaker has a great experience in utilizing the software. It is very recommended for postgraduate students to attend this workshop and I do hope this workshop could be taken by every postgraduate student.



Participant:  
Meylinda Maria,  
PhD Student,  
Faculty of Information & Communication Technology.



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On 22nd February 2020, UPgrade organized a workshop on formatting thesis using Ms. Word referring to UTeM guidelines and formats. The purpose of this workshop was to expose the postgraduate students to how to write a thesis using the UTeM template. The speaker, Dr. Khairul Anwar Bin Ibrahim, started the section by introducing the UTeM thesis template. Then the session continues how to do the thesis writing. The speaker also shares tips and tricks in writing the thesis which becomes more efficient and quicker.

Besides, the experience shared by the speaker and participants in this workshop motivates and inspires me to finish my thesis as soon as possible. Now I can write my thesis precisely without worrying about the UTeM thesis format as it was already fixed in the template provided in the workshop. Thank you to UPgrade for giving me a wonderful experience in this workshop and I was glad to be one of the participants. Finally, I hope that I will write the thesis with the right formatting and finish writing a thesis of mine.



Participant:  
Sahrudin Saad,  
PhD Student,  
Faculty of Electrical Engineering.

## Three Minute Thesis Competition (3MT)

The Three Minutes Thesis (3MT) Competition is well worth reflecting the symbiosis of uncountable hours of hard work coupled with tremendous persistence and patience of a researcher, not only among the supervisors but also among their families, friends, and everyone that contributed in some way that involved in the process that leads up to present the research or study within three minutes. 3MT is an opportunity for research students to present their study findings to a general audience in one PowerPoint slide. The presentation contributes to the development of new knowledge both nationally and internationally perspective. Thus, it offers high quality coupled with strong basic and applied research that contributes the creativity, analytical ability, presenting skills, and other qualities that a researcher needed to meet today's global challenges and ensuring sustainable development. 3MT is an international event founded at the University of Queensland. The fundamental goal of 3MT is to engage research students in communication skills by presenting their research effectively to general audiences.

Therefore, master and Ph.D. research students present their study engagingly and compellingly, through utilizing one static slide about their complex research before a panel of non-specialist judges that gains professional

development and improve their movement or speech. Yet, it promotes the value of the research study through internal and external context by communicating ideas effectively to the wider community. Being able to balance depth and complexity with concision and clarity, 3MT hones skills that benefit the research students' future professional career. 3MT is conducted in three stages, where Stage 1 focuses on presenting their research at the Campus or University level, and selected research students will advance to stage 2. Stage 2 emphasizes presenting their research at the national level and the selected winner and one runner-up will advance to stage 3. Stage 3 is presenting their research at the international level through receiving international peer review and open doors to new collaborations and networking for both researchers and supervisors with a research grant sponsored by Springer Nature.

Besides, my perspective toward the researcher will be thinking about their research from a new glance and creates positive support to motivate the researcher even further to pursue their research study. Thus, it will create knowledge mobilization skills that are useful and informative to the research students through a fascinating research study conducted by other students during the competition. Moreover, research students learned to tell a story about their work, focusing on the important elements and clearly express its significance in the matter context.



By:  
Ts. Mailasan Jayakrishnan,  
PhD Student,  
President UPgrade 2019/2020,  
Faculty of Information & Communication Technology.

## SHARING Knowledge & EXPERIENCE THROUGH THIS COMPETITION

First of all, I would like to express how happy I was to be a part of the Three Minutes Thesis (3MT) competition which was conducted at UTeM. Aside from how much I learned from the experience itself. I was happy to share some of my thoughts on climate change and the importance of using renewable energy resources instead of oil. I would also love to thank all of those who have given time and effort to prepare for this event. I've been asked many times by a lot of students about what is 3MT competition. Many people approach me and say "congratulations on winning but what's it exactly you won".

So, I think I need to write a bit about what the 3MT competition is all about. The Three Minute Thesis competition is an annual competition held in over 200 universities worldwide. It is open to Master's and Ph.D. students, and challenges participants to present their research in just 3 minutes, in an engaging form that can be understood by an average audience with no background in the research area. This exercise develops presentation, research, and academic communication skills and supports the development of research students' capacity to explain their work effectively to those from outside their field of expertise. You might ask me: how can I prepare for this 3MT presentation? Well, my answer to you will be a bit more than the usual answers like being confident, raising your voice, and looking at the audience because you already know about all of this stuff.



So let me introduce you to the concept "Domain Dependence". As humans, we tend to see things framed through our own experiences. And as humans, we can't experience very many things concerning the opportunities available to us. So now you will ask me how is Domine Dependence related to the 3MT presentation? I am not leaving you without an answer. For an electrical engineer, terms like current, stator, and electromagnetic field are very common words but for the average audience, all they can relate to is electricity. So that is your challenge as a researcher who spent hundreds of hours investigating a single topic. How are you going to simplify all of that to make all people truly understand what you are doing? That is the real challenge and the most fun part as well. The adage "when all you have is a hammer, everything looks like a nail" is essentially what domain dependence is. Only, in reality, we don't know the thing in our hand is called a hammer and that the thing we're looking at might be a grapefruit. That's because we have no familiarity with the concept of grapefruit. After all, it's never been in our domain to experience. You need to think like someone from outside your field and speak for 3 minutes in that manner. I think the experience of being in a 3MT competition differs from one person to another but I am sure of one thing which is that it's going to add value to your skills. Whether it's improving your public speaking skills or getting more confident speaking about your research, you will be a better you after going through such an experience.



Participant:  
Hasan Yahya Ali Alawami,  
Master Student,  
Faculty of Electrical Engineering.

## SHARING Knowledge & EXPERIENCE THROUGH THIS COMPETITION.

The day had arrived. The judges had taken their place. The MC has started with her welcome speech. In the viva room, almost 10 students, Ph.D. and Master students with knotted stomachs waiting for their turns eagerly. Although feeling very stressed and nervous, I just pretended to be calm and cool. All this adrenaline rush and tension after all, for only three minutes on stage. I'm referring to the 3 Minute Thesis (3MT) competition conducted by UPgrade on 12th Mac 2020, a competition where Master and Ph.D. students have to present their entire thesis into a three-minute presentation with a single, static PowerPoint slide. If presenting the entire 3 years of work in three minutes is not demanding enough, the rules further impose that your presentation must be pitched to a generalist audience, people that do not have any knowledge or understanding enclosing your topic. But how do you explain something that is so innately complex into something simple without completely changing the research work? Once you pull out a word like "risk factors", "ergonomic", "model" and try to describe it in a way you would in a journal paper, you've immediately lost your audience's attention. Therefore, I need to be interactive, interesting but at the same time, I also need to introduce the research topic, the main 'characters' of our research without losing the audience's attention. I first identified the selling point of my research. In my research, we are working on the early screening model for work-related musculoskeletal disorders (WRMDs) among computer users. The selling point was not an early screening model or how to develop the model, but the selling point was WRMDs. Suddenly, I had my starting point. I introduced the impact of the situation with a short punchy question. A rhetorical question to get the audience to think about it.

Now that I had the audience's attention, I needed to hold it there. Three minutes is not a long time but let us be honest, in the current era anything longer than a two-minute speech already seems long and boring, so the body gesture plays an important role to make the speech to be interesting. It was also where the difficult terminologies had to be described and the big volume of the research had to be presented. I tried not to focus on results, instead of on the concept and impact of my research and what it meant. I tried to explain the impact of WRMDs among computer users and to the organization's productivity and how an early screening model might help to reduce the occurrence of WRMDs among computer users. Finally, the conclusion had to be effective. I wanted it to be personal. I wanted the audience to remember what I had told them. Regardless of the result of the competition, I wanted to give them something to think about when they left. The 3MT allowed me to bring out my communication and presentation skills, something I did not really could do before, and something I truly enjoyed doing. In saying that, the key to my speech was belief and confidence. Furthermore, I truly believe in my research and the good thing that can come out from it and when you have 100% confident in that, selling the idea is not that difficult. I truly believed in that and maybe that is why I was able to win the 3 Minute Thesis (3MT) competition. I would like to take this opportunity to thank the entire 3MT committee members for conducting such a great competition. Thanks again.

Participant:  
Vinothini Padmanathan,  
PhD Student,  
Faculty of Manufacturing Engineering.



## POSTGRADUATE OUTCOMES

# Knowledge on Design of Experiment (DOE)

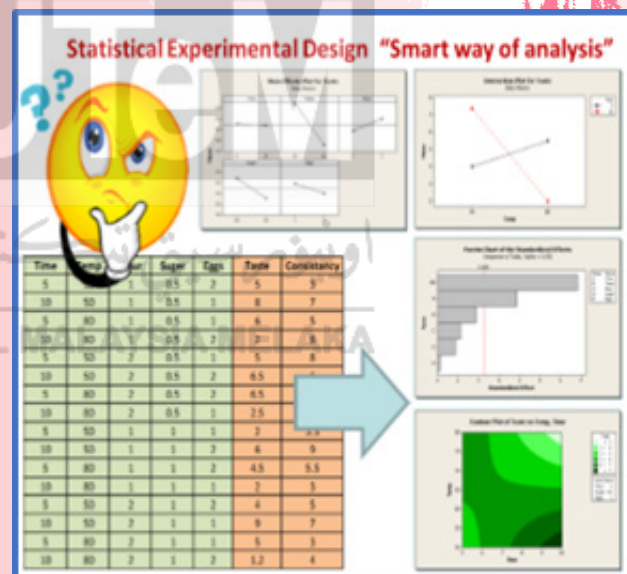
Design of Experiment (DOE) is defined as a branch of applied statistics that deals with planning, conducting, analyzing, and interpreting controlled tests to evaluate the factors that control the value of a parameter or group of parameters. DOE is a powerful data collection and analysis tool that can be used in a variety of experimental situations.

A repetitive approach to gaining knowledge is encouraged, typically involving these consecutive steps:

- (1) A screening design that narrows the field of variables under assessment.
- (2) A “full factorial” design that studies the response of every combination of factors and factor levels, and any attempt to zone in on a region of values where the process is close to optimization
- (3) A response surface is designed to model the response.



By:  
Suraya Binti Laily,  
PhD Student,  
Faculty of Manufacturing Engineering.



## My Journey as A PhD Student

I joined the doctoral program in September 2016 as a full-time student. At that moment, I had insufficient knowledge and experience in research and publication. With a long-standing interest in the exploration of new and systematic knowledge, I evolved the strength and enthusiasm for the new world. An interest in the online business world has spurred me to drive research concentrated on strategies for managing digital customer behavior. Nonetheless, I have studied specifically in the field of measurement practice that is being championed by small and medium-sized firms. The expeditious progress of social media applications primarily social networking sites has countered me against the issues raised.

Indeed, I learned many new and interesting things in realizing a study. Besides, my research uses a mixed design that requires both quantitative and qualitative method skills. The challenges arise in the form of difficulties in obtaining SME data that active on digital sites, the enduring qualitative method analysis, and the research outcome validation. The process of collecting data face to face from over 100 firms in six states is an experience that will never be forgotten. Among them was the incident I was driving back from Selangor and Putrajaya after plentiful days knocking on the doors of the business premises and returning home in the late morning.

The activities throughout the study have made me more fearless when traveling alone and proficient in communicating with participants and instrument assessors. In this journey, we can create and foster a diverse network of academics, industry people, and the public as well. I got this opportunity during a workshop and presented a scholarly article at the conference that I attended. To those who are still in the stages of study, we devote our efforts to not only achieve our research objectives but also learn how to overcome planning and organizing our personal and family life activities in micro and macro levels.

As a mother of five, my passion for the pursuit of knowledge is expected to inspire my children to succeed in their academic studies as well. Thank you to my families, supervisors, friends, and UTeM for all the kind words and encouragement. For the last word, I hope that all of us graduates will succeed in this dream. Clear motives, precise determination, and self-discipline is a measure of our strength. With that said, I thank you.

By:  
Noraniza Binti Md Jani,  
PhD Student,  
Faculty of Information & Communication  
Technology.



## My Journey and Experience Attended the Workshop Festival Pascasiswazah Malaysia 3.0

I am a UTeM student from Indonesia, taking a master's degree and studying at UTeM is one of my dreams, the first 3 months as a UTeM student I was immediately given an extraordinary opportunity to take part in this thesis writing workshop, and this time I will talk about 2 very memorable days of being a workshop participant. Workshop Festival Pascasiswazah Malaysia 3.0 held by University Putra Malaysia in December 2019 was one of the workshops that provided a lot of new knowledge and experience about writing research proposals and writing a thesis, from how to create titles, make abstracts, compile contents, create PowerPoint presentations correct, processing data using SPSS and ATLAS, searching journals and storing with Mendeley, as well as much other knowledge and all that relates to making research proposals or thesis.

December 21, 2019, the first day of the workshop, the journey started from UTeM to UPM. The event began with the first speaker Professor Dr. Razamin Ramli discusses "A Guide to Writing a Research Proposal". This discussion can open our horizons about how to write a research proposal that is good and right. The next speaker is Dr. Ani Munirah who discusses "Qualitative Data Analysis with Atlas" which provides a lot of new knowledge about qualitative analysis tools that can be used to facilitate researchers. The next speaker on the same day was Dr. Syahr Musafir tells a variety of happy and sad experiences in carrying out learning as a Ph.D. student. In addition to the three presenters, there were distractions from other presenters who gave lots of laughter and jokes in the workshop so that all participants did not feel bored.

December 22, 2019, the second day of the workshop was held. On the second day, the first speaker who gave the material was Dr. Othman Talib discussing "Writing a Worthy Thesis & Management of Mendeley's Article" a lot of new knowledge that we got here as a master student who would later make the final report. In this material, we are guided on using Mendeley as one of the applications to make it easier to make references and search for journals. The next speaker, Mohd Zin Mokhtar, discusses "Basic SPSS for Postgraduate" which is also one of the quantitative analysis tools used to process data. The third speaker, Dr. Hayrol Azril, discussed "Writing Journal Systematic Literature Review Articles" and the last speaker on the same day, Mr. Shuhairy Norhisham taught us about "Intimate Communication Supervisor" here. We learned a lot about how to behave well in dealing with people encountered with a variety of different fields of education, level of work, to different properties. In addition to gaining knowledge through the material presented, we also met with new friends from India, China, and even Malaysia. This activity not only provided additional knowledge for us but also provided a lot of experiences about lives, as several presenters talked about the background of their lives. I would like to thank UPgrade for allowing me to take part in this workshop.

Participant:  
Nurida Fitriani,  
Master Student,  
Faculty of Technology Management and Technopreneurship.



## SHARING Knowledge & EXPERIENCE THROUGH THIS WORKSHOP

On 5th October 2019, I with 28 students from Indonesia arrived in Malaysia to enter the world of master in UTeM. For 2 months and a lecture on 21-23 December 2019, I had the opportunity to attend the workshop “FESTIVAL PASCASISWAZAH MALAYSIA 3.0” held at the University Putra Malaysia. This workshop focuses on the making of a good research proposal. Besides getting knowledge, new experiences, and new friends. The most important thing is the material that I could get from the lecture to applied to the tasks. The material presented is very helpful in making a good research proposal.

Material presented not only on internal factors that affect the execution of research proposals but also on external factors such as the way we communicate to supervisors and the support from those around us. The material presented by Professor Dr. Razamin Ramli, “A Guide to Writing a Research Proposal”. This material is taught how to create a title that is short, dense, and clear and can describe the contents of the research proposal. The next material which is very helpful is the material presented by Ani Munirah Mohamad entitled “21 Sebab Kenapa Saya Rekemen Atlas. Ti 8 Windows Untuk Analisa Data Kualitatif Anda “. The material was continued by Dr. Shahr Musafir, “ Hikayat Budak Ph.D.”. In this session, he talked about personal experiences within a period of study in Australia thus earning the title of best graduates. Further, continue the material delivered by Dr. Jalina Karim with a very slick entitled “Bersedia Untuk Viva”.

The spirit is still high for the second day continuing by Dr. Othman Talib delivering very comprehensive material to support the preparation of proposals by utilizing technology-based research, titled “Penulisan Tesis Pantas & Pengurusan Artikel Mendeley”. Similarly, the material presented by Mejar (B) Mr. Mokhtar Mohd Zin “Basic SPSS for Postgraduate” was interesting for me, but the material was very complete, and the delivery is easy to understand. Dr. Hayrol Azril nicely explains the material under the title “ Penulisan Jurnal Artikel Systematic Literature Review: Mari Bertateh “. Mr. Shuhairy Norhisham last submits the material on the second day with “Komunikasi Mesra Supervisor”. These documents provide an overview of how we should behave towards the supervisor.

Participant:  
Varadika Sarah,  
Master Student,  
Faculty of Technology Management and Technopreneurship.



# DASAR DAN GARIS PANDUAN PENGURUSAN TENAGA UNIVERSITI TEKNIKAL MALAYSIA MELAKA

Universiti Teknikal Malaysia Melaka (UTeM) komited:

1. Untuk menambahbaikkan kecekapan dan pemuliharaan tenaga, air dan bahan api kenderaan secara berterusan di seluruh kawasan kampus dan menjayakan pengajaran dan pembelajaran, penyelidikan dan operasi perkhidmatan melalui pelaksanaan pengurusan tenaga yang cekap dan berkesan.
2. Untuk menangani dan bertindak terhadap pelbagai proses dan aktiviti yang akan memberi kesan kepada prestasi penggunaan tenaga, air, dan bahan api kenderaan di semua Kawasan kampus Universiti Teknikal Malaysia Melaka.
3. Untuk memastikan pematuhan terhadap semua akta dan peraturan berkaitan pengurusan tenaga, air dan bahan api kenderaan yang cekap.
4. Untuk mematuhi Peraturan-peraturan Pengurusan Tenaga Elektrik 1990 dan perundangan lain yang berkaitan dengan pengurusan tenaga, air dan bahan api kenderaan.
5. Untuk memastikan pematuhan terhadap Garis Panduan Perolehan Hijau Kerajaan.
6. Untuk menyediakan sumber bagi melaksanakan sistem pengurusan tenaga.

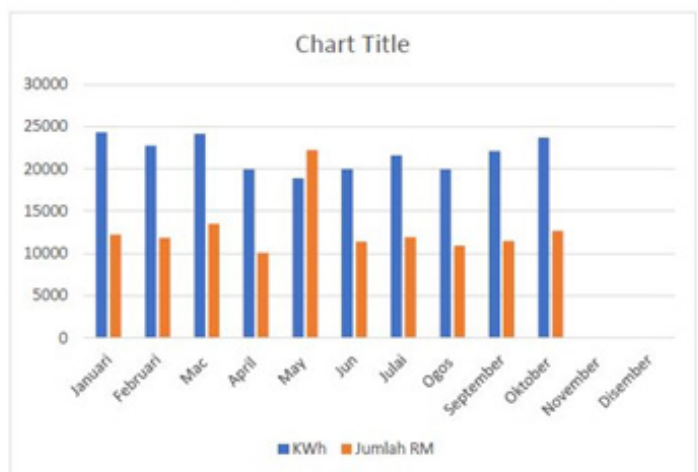


## TUAH TENAGA

Universiti Teknikal Malaysia Melaka (UTeM) telah melancarkan Maskot Tenaga yang bertemakan Bangkit Bersama Cekap Tenaga sewaktu majlis perasmian Program Penghayatan Alam Sekitar (PPAS).

## Laporan bulanan penggunaan Tenaga Elektrik di PPS

Bulan	KWh	Jumlah RM
Januari	24357.75	12206.91
Februari	22767.56	11869.2
Mac	24156.81	13529.79
April	19947.25	10101.68
May	18899.91	22235.42
Jun	19970.78	11412.26
Julai	21587.37	11904.14
Ogos	19932.75	10921.76
September	22106.81	11487.73
Oktober	23703.38	12690.72
November		
Disember		



## Connect to Us

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