



**UNIVERSITAS GADJAH MADA**  
**FAKULTAS TEKNIK**  
**DEPARTEMEN TEKNIK MESIN DAN INDUSTRI**  
PROGRAM STUDI TEKNIK MESIN DAN PROGRAM STUDI TEKNIK INDUSTRI

**SURAT KETERANGAN**

Nomor : 720702/UN1/FTK.2/DTMI/KM/2022

Yang bertanda tangan dibawah ini Ketua Departemen Teknik Mesin dan Industri, Fakultas Teknik, Universitas Gadjah Mada menerangkan bahwa :

No	Nama	NIM
1	Agato	21/475914/STK/887
2	Ari Wibowo	21/476202/STK/893
3	Christian Wely Wullur	21/484582/STK/912
4	Dohar Jono Sihombing	21/484141/STK/908
5	Guna Bangun Persada	21/485073/STK/921
6	Henny Pratiwi	21/475944/STK/888
7	Muji Prihayatno	21/475868/STK/885
8	Nurbaiti	21/483784/STK/899
9	Rahmat Riza	21/486108/STK/932
10	Romi Sukmawan	21/475876/STK/886
11	Sigit Deddy Purnomo Sidhi	21/486099/STK/931

Sampai dengan saat ini masih tercatat aktif pada Semester Genap 2022/2023 sebagai mahasiswa Program Studi Doktor Teknik Mesin, Departemen Teknik Mesin dan Industri Universitas Gadjah Mada, terdaftar pertama kali pada Tahun Akademik 2021/2022 Semester Gasal.

Demikian surat ini dibuat untuk dapat digunakan sebagaimana mestinya.

Yogyakarta, 07 Februari 2023



Prof. Ir. Budi Hartono, S.T., M.Pm., Ph.D., IPU., ASEAN Eng.  
NIP 197602182005011000



## Lampiran: Histori alur persetujuan

No	Jabatan	Nama	Jenis	Tanggal Disetujui
1	Ketua Program Studi Doktor Teknik Mesin	Prof. Dr. Ir. Harwin Saptoadi, M.SE., IPM., ASEAN Eng.	Paraf	Selasa, 7 Februari 2023 18:51
2	Ketua Departemen Teknik Mesin dan Industri	Prof. Ir. Budi Hartono, S.T., M.PM, Ph.D., IPU, ASEAN Eng.	Tanda Tangan	Rabu, 8 Februari 2023 11:35

Diajukan oleh Sani Wicaksono,S.E.



*Dokumen ini telah melalui proses approval secara daring sebelum QR Code dibubuhkan.  
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UNIVERSITAS GADJAH MADA

eKTM

**MAHASISWA**  
*STUDENT*



**Romi Sukmawan**  
21/475876/STK/00886

091528000

eCard

*This form is the means by which progress of studies is periodically assessed by the student and supervisory team, and reported to LPDP. It is a means by which any problems or issues may be identified and appropriate action determined. LPDP uses this form to monitor whether student's progress is effective.*

Report Period	2022/2023 Semester 4 (Februari-July 2023)
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This form has three parts:

**PART A:** Progress Report—to be completed by the Student

**PART B:** Comments—to be completed by the Senior Supervisor on behalf of the Supervisory Team

**PART C:** Recommendations and Signatures—to be completed by the Student and Supervisors

**PART A: STUDENT COMMENTS**

Name	Romi Sukmawan		
LPDP ID Number	202108210107233	Student's ID Number	21/475876/STK/886
Department/School	Departemen Teknik Mesin dan Industri Program Studi Doktor Teknik Mesin		

**Supervisory team**

Supervisor - 1	Dr. Ir. Kusmono, S.T., M.T., IPM., ASEAN Eng.
Supervisor - 2	Ir. Muhammad Waziz Wildan, M.Sc., Ph.D., IPU
Supervisor - 3	

Outline below your progress and achievements over the last 6 months. Indicate what milestones have been achieved.

Kegiatan akademik yang telah dilaksanakan pada semester 4 diantaranya publikasi jurnal pertama pada Biomass conversion and biorefinery dan publikasi kedua pada jurnal ACS Omega. Selain itu Awardee juga meleakakan penelitian tahap kedua diantaranya pengujian kekuatan tarik dan pull out beberapa sampel serat dengan variasi perlakuan kima diantaranya perlakuan alkali, perlakuan asetilasi dan kombinasi perlakuan alkali dan asetilasi. Selain itu awardee sedang menyiapkan materi untuk Ujian seminar I yang merupakan salah satu ketentuan yang harus ditempuh.

Outline below your research goals for the next 6 months. Indicate what milestones have been set for the next 6 months, including detailing what chapters or selections of your thesis you plan to write in this period.

Rencana akademik 6 bulan kedepan adalah melanjutkan penelitian tahap kedua yaitu melakukan pengujian komposisi serat, pengujian water contact angel, X-Ray diffraction (XRD), thermo-gravimetric analysis (TGA), dan Scanning Electron Microscopy (SEM) dengan variasi perlakuan kimia alkali, asetilasi, dan kombinasi alkali dan asetilasi serat yang dihasilkan. Hasil perlakuan kimia yang optimal pada serat digunakan sebagai parameter perlakuan serat sebelum dilakukan pembuatan komposit sisal/epoksi dengan fraksi volume berbeda (0, 20, 30, 40, dan 50 wt.%). Diharapkan dari hasil penelitian ditargetkan publikasi di jurnal composite part A. Kemudian awardee menargetkan untuk menyelesaikan tahap ketiga dari penelitian untuk melaksanakan seminar hasil II sebelum ujian disertasi.

1. I rate the **quality** of my work as:

Very Good       Good       Satisfactory       Below my expectations

If below expectations what measures have you taken to address this?

2. I assess my **rate of progress** as:

Very Good       Good       Satisfactory       Below my expectations

If below expectations what measures have you taken to address this?

3. My target thesis submission date is

13 Februari 2024

4. In the past 6 months I have:

Given a seminar?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Attended a conference(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Given a presentation(s) based on my research?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Had research output(s) published (e.g. journal articles; book chapters; creative works)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

5. I have submitted work to my supervisory team	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes have received written feedback	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

6. I have outstanding resource issues concerning my research    Yes     No

If Yes, please detail:

7. Ethical approval for my thesis research:

has been obtained       is pending       is not required

8. There are intellectual property issues related to my research that have not been resolved

Yes     No

If Yes, please detail:

9. How often and by what means do you and your supervisory team maintain contact?

Seminggu atau dua minggu sekali berkomunikasi baik dengan WA maupun bertemu langsung dengan pembimbing

10. Please provide details below of any way you think your supervisory team could improve its support of your studies

Supervisor awardee sudah mendukung dan membantu penelitian awardee dengan maksimal sehingga Awardee dapat menjalankan kuliah dan penelitian dengan baik tanpa hambatan yang berarti.

11. Do you have any concerns with your English language skills (e.g. reading, writing, speaking, listening) in respect to your research work?

Yes  No

If Yes, please describe these concerns and indicate whether you have sought any support or advice for these concerns (e.g., from your supervisor, etc.?)

12. Have you identified any health and safety issues during the past 6 months?

Yes  No

13. Are there any issues that LPDP should be aware of?

Yes  No

Terkait insentif yang akan diajukan awardee terkait publikasi mohon mendapat perhatian khusus dikarenakan pengajuan insentif yang akan diajukan akan digunakan untuk pembayaran APC publikasi jurnal open access

***Please now forward the form to your supervisor.***

#### **PART B: SUPERVISORY TEAM COMMENTS**

Please provide comments on the student's progress and achievements in the last 6 months:

Progres mahasiswa bimbingan an Romi Sukmawan telah melaksanakan ujian komprehensif, publikasi jurnal ke-1, dan publikasi jurnal ke-2. Jurnal pertama telah terbit di jurnal Biomass conversion and biorefinery terindeks Scopus dan publikasi jurnal ke-2 telah di terima pada jurnal internasional terindeks scopus ACS Omega (Q1). Awardee akan melaksanakan seminar I pada awal semester 5. Secara umum mahasiswa bimbingan telah menjalankan studi dengan baik sesuai dengan rencana studi yang telah direncanakan.

Please provide comments on the student's thesis goals and milestones for the next 6 months:

Enam bulan kedepan mahasiswa di targetkan untuk melaksanakan seminar hasil 1, dan publikasi artikel ke-3 dan melanjutkan tahapan penelitian berikutnya (tahapan ke-2) terkait perlakuan alkali dan asetilasi pada serat sisal dan tahap ke-3 terkait hibrid komposit.

1. The **quality** of the student's work:

- Exceeds the required standard for doctoral work   
Is as the required standard for doctoral work   
Is below required standard for doctoral work

If below the required standard what measures have been taken to address this?

2. Are you satisfied with the frequency and means of contact? Yes  No

Mahasiswa bimbingan sering berkomunikasi dengan supervisor melalui WA, email, ataupun bertemu langsung

3. Do you have any concerns about the student's English language skill (e.g., reading, writing, speaking, listening) in respect to his/her work?

If Yes, please describe these concerns and indicate whether you have offered support or advice to the student and/or directed them to support services.

Tidak ada kendala terkait bahasa

4. Are there any intellectual property issues which have not been resolved? Yes  No

5. Are there any issues that LPDP should be aware of? Yes  No

6. Was the student required to complete any courses during this period of enrolment?



Yes  No

If so were these completed to the level required?

Yes  No

**PART C: RECOMMENDATIONS AND SIGNATURES**

**C1 Senior Supervisor to complete**

I recommend that the student's enrolment be:

- Continued
- Continued subject to specified conditions as outlined below
- Discontinued

Specified conditions of continued enrolment:

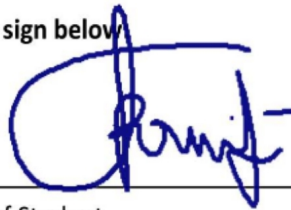
I have discussed our comments with the student:

Yes  No

Please outline any issues that from the discussion with the student:

Any other comments/suggestions:

**Student to sign below**



Signature of Student

10 JULI 2023

Date

**Supervisor to sign below:**



Signature of Supervisor

11 JULI 2023

Date

*On behalf of the Indonesia Endowment Fund for Education, we would like to convey our sincere appreciation and gratitude for your valuable input, comments and time spent in completing this form. The completed form shall be submitted by the student as part of their semi-annually study progress report at [www.simonev.lpd.kemenkeu.go.id](http://www.simonev.lpd.kemenkeu.go.id).*

*Director of Scholarship,  
Indonesia Endowment Fund for Education*