

COOPERATION REPORT

COOPERATIVE IMPLEMENTATION REPORT

1. TITLE OF IMPLEMENTATION ARRANGEMENT	:	Development of Academic on International Guest Lecture Programme
2. NUMBER OF IMPLEMENTATION ARRANGEMENT	:	Number: 167/UN43/HK.06.00/2025
3. COOPERATION PARTNER	:	Assoc. Prof. Ricardo Avelar Sotomaior Karam Copenhagen University-Department Of Science Education
4. SCOPE	:	Province
5. OUTPUT AND OUTCOME	:	1. Community Service: Science Learning Innovation – Implementing Deep Learning for 21st Century Skills in Physics, Chemistry, Biology, Mathematics, and Science Education 2. Sharing session on the curriculum of physics, chemistry, biology, mathematics, and science education 3. Expert Lecture on Physics Education about Quantum Physics 4. The PODCAST at FKIP UNTIRTA discusses the implementation of deep

		learning in physics lessons.
6. ACTIVITY DOCUMENTATION LINK	:	https://drive.google.com/drive/folders/1c9_vVyzqcyMZ_h4cVDcZS2JTEadqO TwR // https://link.untirta.ac.id/documentation-cooperation-ia-copenhagen

Person In Charge
Thursday, 7th March 2025
Head of Department of Science
Education



Yuvita Oktarisa, Ph.D.
NIP.198510042023212030

Name of Person In Charge for Partner
Activities



Ricardo Avelar Sotomaiaor Karam

Dean of the Faculty of Teacher
Training and Education, Sultan
Ageng Tirtayasa University



Dr. H. Fadlullah, S.Ag.,M.Si.
NIP. 197712302002121003

First Party

Second Party



**IMPLEMENTATION ARRANGEMENT
BETWEEN**



**FACULTY OF TEACHER TRAINING AND EDUCATION
UNIVERSITAS SULTAN AGENG TIRTAYASA (UNTIRTA)
AND
COPENHAGEN UNIVERSITY-DEPARTMENT OF SCIENCE EDUCATION**

No. Ref : 167/UN43/HK.06.00/2025

Number :

On Thursday, March 6th 2025 (**06-03-2025**) located in Banten, Indonesia
the undersigned below :

- 1. Name** : Dr. H. Fadlullah, S.Ag., M.Si.
Title : Dean of Faculty of Teacher Training and Education
Address : Ciwaru Street No. 25 Serang-Banten 42117, Serang
City, Banten Province, Indonesia

Therefore act for and on behalf of Faculty of Teacher Training and Education, Sultan Ageng Tirtayasa University (UNTIRTA), (hereinafter referred to as the "FIRST PARTY").

- 2. Name** : Assoc Prof Ricardo Avelar Sotomaior Karam
Title : Associate Professor
Address : Rådmandsgade 64, 2200 København N, Denmark

Now therefore act for and on behalf of the Department of Science Education of the Copenhagen University (hereinafter referred to as the "SECOND PARTY").

(First Party and Second Party hereinafter jointly referred as the "parties" and individually as "Party")

ARTICLE 1

PURPOSE AND OBJECTIVE

- (1) The purpose of this Implementation of Arrangement is as a basis for the implementation of cooperation arranged by the PARTIES.
- (2) The objectives of this Implementation of Arrangement is cooperation for the development of academic on International Guest Lecture Programme

ARTICLE 2

COLLABORATION

The collaboration for the development of academic on international guest lecture programme or other sharing activities and community service. This collaboration involves the **department of physics education**. This collaboration involves :

No	Date	Activites
1	March 6 th 2025	Community Service: Science Learning Innovation – Implementing Deep Learning for 21st Century Skills in Physics, Chemistry, Biology, Mathematics, and Science Education
2	March 6 th 2025	Sharing session on the curriculum of physics, chemistry, biology, mathematics, and science education
3	March 7 th 2025	Expert Lecture on Physics Education about Quantum Physics
4	March 7 th 2025	The PODCAST at FKIP UNTIRTA discusses the implementation of deep learning in physics lessons.

Pihak Kesatu

Pihak Kedua

ARTICLE 3
COST AND PAYMENT

All cost that arises in this collaboration will be paid by PARTIES

ARTICLE 4
PERIOD

Period of the collaboration is 2 (two) days on 6th and 7th March 2025

ARTICLE 5
CORRESPONDENCE

- (1) All notices, demands or other communications required or permitted to be given or ade under this Implementation of Arrangement shall be in writing and delivered personally to registered address of said Party or, sent by fax or email to the adress and person set out below:

FIRST PARTY

**FACULTY OF TEACHER TRAINING AND EDUCATION-UNIVERSITAS
SULTAN AGENG TIRTAYASA**

Address: Ciwaru Street, Cipare, Serang City, Banten Province, Indonesia

Phone : +62254 3204321

Email : fkip@untirta.ac.id

SECOND PARTY

DEPARTMENT OF SCIENCE EDUCATION- COPENHAGEN UNIVERSITY

Address: Rådmandsgade 64, 2200 København N, Denmark

Phone: +45 353 20361 (Head of Department)

Email : ind@ind.ku.dk

- (2) Changes in information as referred to in paragraph (1) must be immediately notified in writing to other party and take effect from the receipt of the notification as evidenced by the receipt of the notification.

Pihak Kesatu

Pihak Kedua

ARTICLE 6
SETTLEMENT OF DISPUTE

If any dispute arises in the interpretation and/or implementation of the arrangement, the PARTIES agree to resolve it by way of deliberation for arrangement.

ARTICLE 7

- (1) This Implementation of Arrangement is declared to be effective as of the date signed by PARTIES
- (2) Other matter that my have not been regulated in the draft of this Implementation of Arrangement will be regulated later in an addendum which is inseparable from this document.
- (3) This PARTIES have agreed to implement this arrangement with the provision of the prevailing laws and regulations.
- (4) This Implementation of Arrangement is valid until 5th March 2027.

This Implementation of Arrangement is made and signed on the day, date, month, and year mentioned, signed in 2 (two) copies with sufficient duty stamp and shall have equal legal force for PARTIES

FIRST PARTY,

Excuted for the University of
Sultan Ageng Tirtayasa



Dr. H. Fadlullah, S.Ag., M.Si.

Dean of Faculty of Teacher Training
And Education

SECOND PARTY

Excuted for the University of
Copenhagen



Ricardo Avelar Sotomaior Karam

Associate Professor of Copenhagen
University

First Party

Second Party

Coordinator of Cooperation
Implementation

Head of Physics Education Department
Faculty of Teacher Training and
Education, Sultan Ageng Tirtayasa
University



Yuvita Oktarisa, Ph.D.

NIP.198510042023212030

First Party

Second Party

Penandatanganan Implementasi Kerja Sama

Jurusan Pendidikan Fisika FKIP UNTIRTA dan Assoc.Prof.Ricardo Karam

6 Maret 2025







KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI

UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS KEGURUAN DAN ILMU PENDIDIKAN

Jalan Ciwaru Raya No. 25 Kota Serang Provinsi Banten

Telepon (0254) 280330

Website : www.untirta.ac.id email : surat.fkip@untirta.ac.id

DAFTAR HADIR
PENANDATANGAN IA KERJASAMA DAN KULIAH PAKAR
SHARING IDEAS TO ENHANCE THE PROFESSIONAL COMPETENCIES OF
PROSPECTIVE SCIENCE TEACHERS
SERANG, 6 MARET 2025

No	Nama Lengkap	Jabatan	Tanda Tangan
1.	Dr. Fadlullah, M.Si.	Dekan	1.
2.	Dr. Enggar Utari, M.Si.	Wakil Dekan 1	2.
3.	Ria Sudiana, M.Si.	Wakil Dekan 2	3.
4.	Dr. Abdul Fatah, M.Pd.	Wakil Dekan 3	4.
5.	Prof. Dr. Yudi Juniardi, M.Pd.	LPMPP	5.
6.	Prof. Dr. Rida Oktorida Khastini, M.Si.	LPMPP	6.
7.	Yus Rama Denny, Ph.D.	Kepala UPA Laboratorium Terpadu	7.
8.	Dr. Udi Samanhudi, S.Pd., M.Pd.	Kepala UPA Bahasa	8.
9.	Siti Romlah Noer Hodijah, M.Pd.	Ketua Jurusan Pendidikan IPA	9.
10.	Dr. Iing Dwi Lestari, M.Si.	Ketua Jurusan Pendidikan Biologi	10.
11.	Yuvita Oktarisa, M. Pd., Ph.D.	Ketua Jurusan Pendidikan Fisika	11.
12.	Dr.rer.nat. Robby Zidny, M. Si	Ketua Jurusan Pendidikan Kimia / Ketua Rumpun Mafikibi	12.



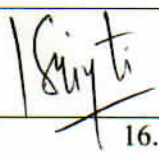
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13.	Dr. Hepsi Nindiasari, M.Pd.	Ketua Jurusan Pendidikan Matematika	13. 
14.	Rahmat Firman Septiyanto, M.Si.	Sekretaris Jurusan Fisika	14. 
15.	Isriyanti Affifah, M.Si.	Sekretaris Jurusan Kimia	15. 
16.	Fakhrudin, M.Pd.	Sekretaris Jurusan Matematika	16. 
17.	Ade Nandang Mustafa, M.Pd., Ph.D.	Kepala Laboratorium Edupartnership	17. 
18.	Nela Fatmasari, M.Sc.	Kepala Laboratorium Kimia	18. 
19.	Ganesha Antarnusa, S.Si., M.Sc.	Kepala Laboratorium Fisika	19. 
20.	Dr. Dewi Murni, M.Si.	Kepala Laboratorium Hayati	20. 
21.	Aan Subhan Pamungkas, S.Pd., M.Pd.	Kepala Laboratorium ICT dan Sumber Belajar	21. 
22.	Pipit Marianingsih, M.Si.	Kepala Laboratorium Kurikulum Merdeka	22. 
23.	Mudmainah Vitasari, M.Pd.	Kepala Laboratorium STEM	23. 
24.	Etika Khaerunnisa, M.Pd.	Kepala Laboratorium Talenta JAWARA	24. 
25.	Prof. Dr. H. Yayat Ruhiat, M.Si.	Dosen Pendidikan Fisika	25. 
26.	Dr. Rudi Haryadi, S.Si., M.PFis.	Dosen Pendidikan Fisika	26. 
27.	Devi Ayu Nur'aini, M.Pd	Dosen Pendidikan Fisika	27. 



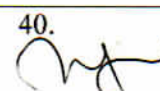
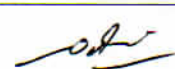
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28.	Tresna Galih Sukma Suryana, M.Pd.	Dosen Pendidikan Fisika	28. 
29.	Yudi Guntara, M.Pd	Dosen Pendidikan Fisika	29. 
30.	Desi Eka Nur Fitriana, M.Pd.	Dosen Pendidikan Biologi	30. 
31.	Dian Surya Aprilyanti, M.Pd.	Dosen Pendidikan Biologi	31. 
32.	Dwi Ratnasari, M. Pd.	Dosen Pendidikan Biologi	32. 
33.	Dudung Abdurrahman, M.Pd.	Dosen Pendidikan IPA	33. 
34.	Liska Berlian, M. Si.	Dosen Pendidikan IPA	34. 
35.	Septi Kurniasih, M. Biotech.	Dosen Pendidikan IPA	35. 
36.	Clara Shabrina Parameswary, S.Si., M.Sc.	Dosen Pendidikan Kimia	36. 
37.	Nabila Lailil Widiastuti, M.Pd	Dosen Pendidikan Kimia	37. 
38.	Sandi Danar Cynthia Sari, M.Pd.	Dosen Pendidikan Kimia	38. 
39.	Dinar Nirmalasari, M.Pd.	Dosen Pendidikan Matematika	39. 
40.	Rofiroh, S.Pd., M.Si.	Dosen Pendidikan Matematika	40. 
41.	Dr. Novaliyosi, S.Si., M.Pd.	Dosen Pendidikan Matematika	41. 
42.			42.



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43.	Noviani utami, M-pd	Dosen Pendidikan Biologi	43. 
44.	Sindanita Yulanty, M.Pd	Dosen Pendidikan Biologi	44. 
45.	Rifki Samsari	Dosen Pendidikan Biologi	45. 

Ketua Pelaksana,



Yuvita Oktarisa, Ph.D

NIP. 198510042023212030



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DAFTAR HADIR PESERTA

WORKSHOP INOVASI PEMBELAJARAN SAINS:

**MENERAPKAN DEEP LEARNING UNTUK KETERAMPILAN ABAD-21 DALAM
PENDIDIKAN FISIKA, KIMIA, BIOLOGI, MATEMATIKA, DAN IPA
SERANG, 6 MARET 2025**

No	Nama Lengkap	Instansi	Tanda Tangan
1.	Rahmat Romdana S.Pd., M.A.	SMAN 1 Kota Serang	1.
2.	Marina Chandramidi, M.Pd.	SMAN 3 Kota Serang	2.
3.	Riena Meriani, S.Si.	SMAN 4 Kota Serang	3.
4.	Judi Muatallah, M.Pd.	SMAN 6 Kota Serang	4.
5.	Tinti Fatinah, S.Pd.	SMAN 5 Kota Serang	5.
6.	Linda Humaenah, S.Pd.	SMAN 2 Kota Serang	6.
7.	Putri Aulia Diah Pratiwi, S.Pd.	SMAN 8 Kota Serang	7.
8.	Taufik Parij, S.Pd.	SMAN 1 Kota Serang	8.
9.	Purwanti, S.Pd.	SMAN 3 Kota Serang	9.
10.	Muh. Fatkhul Ma'arij, S.Pd., M.Pd	SMAN 11 Kab. Tangerang	10.
11.	Aan Hendra Farid, M. Pd	SMAN 1 Kibin	11.
12.	Hesti Dwi Utari, M.Pd	SMAN 1 Bojonegara	12.



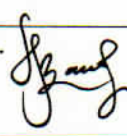
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13.	Yafid Mubarak, S.Si	SMAN 1 Waringinkurung	13.
14.	Nofia Candrawati, S.Pd., M.Pd.	SMAN 5 Tangerang Selatan	14. 
15.	Bambang Kriswahyudi, S.Pd., M.Pd.	SMAN 1 Cibeber	15. 
16.	Mifta Rizki Ana Hasni, S.Pd	SMAN 2 Leuwidamar	16. 
17.	Agustina Ari Puspita W. M.Pd	SMAN 13 Kab. Tangerang	17.
18.	Ikhsanudin Hidayat, S.Pd	SMAN 1 Cikeusal	18.
19.	Yustiandi, M.Pd	SMAN CMBBS	19. 
20.	Arif Rahmadi, S.Si	SMAN 4 Cilegon	20. 
21.	Sukmadirja, M.Pd.	SMPN 7 Kota Serang	21. 
22.	Omah, S.Pd.	SMPN 22 Kota Serang	22. 
23.	Sabihah, S. Si, M.Pd	SMPN 16 Kota Serang	23. 
24.	Emi Sri Wiharjanti, S.Pd	SMPN 10 Kota Serang	24. 
25.	Naisah	SMAN 1 Kota Serang	25. 
26.	Susi Maeli Daryani	SMAN 7 Kota Serang	26. 
27.	Fifi Fityatul Mukarromah	SMAN 8 Kota Serang	27. 



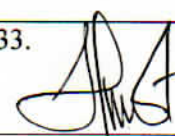
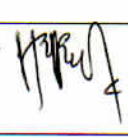
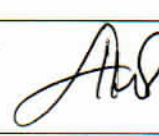
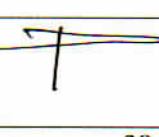
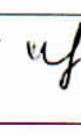
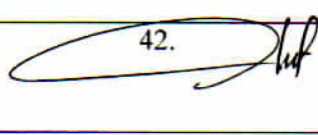
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28.	Rohmaedi, M.Pd	SMAN 1 WARINGINKURUNG	28. 
29.	Azis Firdausy, M.Pd	SMAN 1 PABUARAN	29. 
30.	Dian Aliza Pratidina M.Pd	SMAN 1 WARINGINKURUNG	30. 
31.	Siti Huzaimah, M. Pd	SMPN 1 Baros	31. 
32.	Firasy Nur Syafiq, S. Pd	SMPN 3 Cinangka	32. 
33.	Kuswandi Oktawa, S.Pd	SMPN 3 Mancak	33. 
34.	Heriyana, M. Pd Heryanah, M. Pd	SMPN 3 Cikeusal	34. 
35.	Faiz Rifa'i, S.Pd	SMPN 2 Cimanuk	35. 
36.	Astriani Rosdiana, S.Pd	SMPN 1 Karang Tanjung	36. 
37.	Nurhamsyah Heru Prasetyo, S.Pd	SMPN 3 Mekarjaya	37. 
38.	Wisnu Sumaryanto, S.Pd	SMPN 20 Kota Serang	38. 
39.	Nova Danar Indah Pratiwi, S.Pd	SMPN 8 Kota Serang	39. 
40.	Ari Cahyani, S.Pd., M.Pd	SMPN 22 Kota Serang	40. 
41.	Holid Tantowi Yaohari, M.Pd	SMPN 1 Jawilan	41. 
42.	R.A. Annita Meilina A., S.Pd., Gr. Deden Cahaya Kusuma, S.Pd.	SMAN 1 Padarineang SMA Pesantren Unggul Albayan Anyer	42. 



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43.	Vita Yuningsih, S.Pd, M.Pd	SMAN 1 Ciomas	43.
44.	Nadya Hapsari, S.Pd	SMAN 1 Lebak Wangi	44.
45.	R. Dedeh Rahmawati, S.Pd, M.Pd	SMAN 1 Jawilan	45.
46.	Wahyu Faizal Ardy, ST, Gr	SMA Pesantren Unggul Albayan Anyer	46.
47.	Ayu Ningtias Laraswati, S.Pd	MAN 2 Kota Serang	47.
48.	Mirda Hanum, M.Pd Erna Sulistyawati, S.T	SMAN 5 Kabupaten Tangerang	48.
49.	Budiman Prastyo, S.Pd	SMAIT Latansa Cendekia	49.
50.	Yuliasari Ketty Astagina Rachman, S.Pd	SMKN 1 Curugbitung	50.
51.	Ana Muslimah, S.Pd	SMAN 23 Kab. Tangerang	51.
52.	Louly Risdianty, S.Pd	SMAIT Latansa Cendekia	52.
53.	Riana Sari, S.Pd	SMAN 5 Kabupaten Tangerang	53.
54.	Laily Saadah, S. Si., M. Pd.	Ketua MGMP Biologi Kota Serang	54.
55.	Assaeful Munawirudin, S. Pd.	Ketua MGMP Kabupaten Serang	55.
56.	Ahmad Fauzi, S. Pd.	SMAN 2 Krakatau Steel Cilegon	56.
57.	Fira Wibawati, S. Pd.	SMAN 3 Kota Serang	57.



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58.	Estu Wijayaningsih, M. Pd	SMAN 5 Kota Serang	58. 
59.	Siti Masy'aroh, S. Pd	SMAN 1 Carenang	59. 
60.	Ana Istiana, S. Pd.	SDN 1 Ciuyah	60. 
61.	Qiswatun Mukhoyyaroh, M. Pd	Universitas Latansa Mashiro	61. 
62.	Fahmie Firmansyah, M. Pd.	Universitas Mangkuwiyata	62. 
63.	Muhammad Rijal, M.Pd.	MTsN 3 Jakarta Selatan	63. 
64.			
65.			

Ketua Pelaksana,



Yuvita Oktarisa, Ph.D

NIP. 198510042023212030



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DAFTAR HADIR PANITIA PENGABDIAN

WORKSHOP INOVASI PEMBELAJARAN SAINS:

MENERAPKAN DEEP LEARNING UNTUK KETERAMPILAN ABAD-21 DALAM

PENDIDIKAN FISIKA, KIMIA, BIOLOGI, MATEMATIKA, DAN IPA

SERANG, 6 MARET 2025

No	Nama Lengkap	Jurusan	Tanda Tangan
1.	Yuvita Oktarisa, Ph.D	Pendidikan Fisika	1.
2.	Dudung Abdurrahman, M.Pd	Pendidikan IPA	2.
3.	Dr. Hepsi Nindiasari, S.Pd., M.Pd.	Pendidikan Matematika	3.
4.	Dr. Iing Dwi Lestari, S.Si., M.Si.	Pendidikan Biologi	4.
5.	Septi Kurniasih, S.Pd., M.Biotech.	Pendidikan IPA	5.
6.	Prof. Dr. H. Yayat Ruhiat, M.Si.	Pendidikan Fisika	6.
7.	Yus Rama Denny M., S.Si., M.Si., Ph.D.	Pendidikan Fisika	7.
8.	Ganesha Antarnusa, S.Si., M.Sc.	Pendidikan Fisika	8.
9.	Dr. Rudi Haryadi, S.Si., M.PFis.	Pendidikan Fisika	9.
10.	Rahmat Firman Septiyanto, S.Si., M.Si.	Pendidikan Fisika	10.
11.	Yudi Guntara, S.Pd., M.Pd.	Pendidikan Fisika	11.
12.	Tresna Galih Sukma Suryana, M.Pd	Pendidikan Fisika	12.



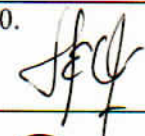
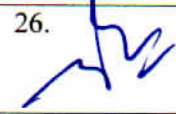
KEMENTERIAN PENDIDIKAN TINGGI, SAINS,
DAN TEKNOLOGI

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