



(SCOPUS)(SINTA)

<b>Name</b>	Andreas Handjoko Permana, M.Si
<b>Position</b>	Lecturer in Physics Education
<b>Educational Background</b>	<ol style="list-style-type: none"> <li>1. Bachelor's degree Physics Education, Universitas Negeri Jakarta</li> <li>2. Master's degree Physics, Institut Teknologi Bandung</li> </ol>
<b>Academic Career (Employment)</b>	<ol style="list-style-type: none"> <li>1. GPJM Prodi Pendidikan Fisika</li> <li>2. Kepala Laboratorium Pendidikan Fisika</li> </ol>
<b>Research and Development project over the last 5 years</b>	<ol style="list-style-type: none"> <li>1. 2018-Modul yang Dilengkapi dengan Teknologi Augmented Reality: Cara Mudah Belajar Fisika untuk Konsep dan Fenomena Kuantum di SMA Kelas XII</li> <li>2. 2019-Pengembangan Buku Pengayaan Pengetahuan Tentang Pembangkit Listrik Tenaga Nuklir Dilengkapi Dengan Augmented Reality Untuk Siswa Sma</li> <li>3. 2019-Buku IPA dengan Teknologi Augmented Reality: Melatih Kemampuan Berpikir Kritis Siswa SMP Kelas VII</li> <li>4. 2019-Buku Ipa Dilengkapi Dengan Teknologi Augmented Reality: Melatih Kemampuan Pembelajaran Saintifik Siswa Smp Kelas Viii.</li> <li>5. 2019-Buku Ipa Dilengkapi Dengan Teknologi Augmented Reality: Melatih Keterampilan Berpikir Tingkat Tinggi Siswa Smp Kelas Viii.</li> <li>6. 2020-Pengembangan E-Modul Berbasis Android Dengan Metode Fodem Pada Materi Listrik Dinamis</li> </ol>

	<ol style="list-style-type: none"> <li>7. 2020-Pengembangan e-modul berbasis android dengan metode fodem pada materi gelombang bunyi dan gelombang cahaya</li> <li>8. 2021-The Development of Augmented Reality Application to Explore Fluid Concepts</li> <li>9. 2021-Hallwachs and the negatively charged particles'—the development of education comics</li> <li>10. 2021-Augmented reality in poster: Introduce sir Isaac Newton in the study of mechanics</li> <li>11. 2021-Design of computer based test with Moodle platform for high school physics class X</li> <li>12. 2021-Exploring elasticity concept using augmented reality</li> <li>13. 2022-Pengembangan Modul Elektronik Dengan Pendekatan Stem (Science, Technology, Engineering And Mathematics) Pada Materi Gerak Lurus.</li> <li>14. 2022-Pengembangan E-Modul Astrofisika Sebagai Modul Pendamping Persiapan Ksn Astronomi.</li> </ol>
<b>Industry collaboration/ Community Services over the last 5 year</b>	<ol style="list-style-type: none"> <li>1. 2022-Pelatihan Pengolahan dan Visualisasi Data dengan Bahasa Pemrograman Python di SMK Ciracas, Jakarta Timur</li> <li>2. 2021-PPM MGMP Fisika Jakarta: Pelatihan Pembuatan Instrumen Tes Diagnostik Fisika Untuk Mengetahui Ada Atau Tidak Miskonsepsi Pada Peserta Didik.</li> <li>3. 2020-PKM MGMP FISIKA SMA: Pelatihan Penyusunan LKPD Berbasis Pembelajaran Saintifik</li> <li>4. 2019-Pelatihan Pembuatan Soal Tes Berbasis Higher Order Thinking Skill (HOTS) Untuk Guru guru SMA</li> </ol>
<b>Patents and Intellectual Property Right (IPR)</b>	<ol style="list-style-type: none"> <li>1. 2018-Perangkat Media Pembelajaran Fisika Berbasis Macro Media Flash</li> <li>2. 2018-Dua Perangkat Tes Pembelajaran Fisika yang Memiliki Anchor Items Horizontal Berbasis Macromedia Flash</li> </ol>
<b>Important publications over the last 5 years</b>	<ol style="list-style-type: none"> <li>1. 2022-Development and evaluation of granular simulation for integrating computational thinking into computational physics courses</li> <li>2. 2022-The effectiveness of breakwater shape: Fluid particle behavior simulation</li> <li>3. 2022-Explain the "unstable atoms" concept using the radioactive comics as physics media learning</li> <li>4. 2022-The development of 21st century skills and competence in service teacher through TPACK training workshop</li> <li>5. 2022-Augmented reality in poster: Introduce sir Isaac Newton in the study of mechanics</li> <li>6. 2022-The implementation of problem based learning in elasticities concept</li> <li>7. 2022-Design of computer based test with moodle platform for high school physics class X</li> </ol>

	<ol style="list-style-type: none"> <li>8. 2022-The development of moodle based e-learning for newtons' law in high school physics</li> <li>9. 2022-Hallwachs and the negatively charged particles'-the development of education comics</li> <li>10. 2022-Augmented reality in poster: Introduce sir Isaac Newton in the study of mechanics</li> <li>11. 2022-The implementation of problem based learning in elasticities concept</li> <li>12. 2022-Design of computer based test with moodle platform for high school physics class X</li> <li>13. 2022-Designing an Android-Based Educational Game for High School Physics</li> <li>14. 2020-Train the computational thinking skill using problem-based learning worksheet for undergraduate physics student in computational physics courses</li> <li>15. 2020-Physics textbook enriched augmented reality: Easy way to understand the physical concept</li> <li>16. 2020-Student worksheet with ar videos: Physics learning media in laboratory for senior high school students</li> <li>17. 2020-Physics Textbook Enriched Augmented Reality: Easy Way to Understand The Physical Concept</li> <li>18. 2019-The development of an electricity book based on augmented reality technologies</li> <li>19. 2019-The properties of zinc sodium phosphate glass system with the various concentration of chromium oxide doped</li> <li>20. 2019-The 3-D animation of radiation concept using augmented reality technology</li> <li>21. 2019-The development 3-D augmented reality animation on radioactive concept</li> <li>22. 2019-The development of an electricity book based on augmented reality technologies</li> <li>23. 2019-The properties of zinc sodium phosphate glass system with the various concentration of chromium oxide doped</li> <li>24. 2018-The simulation of a symmetric quantum key distribution</li> <li>25. 2018-Simulation of granular in two dimensions: The effect of particle velocity on rigid wall boundary</li> <li>26. 2018-Development of Thermal Radiation Experiments Kit Based on Data Logger for Physics Learning Media</li> </ol>
<p><b>Activities in Professional organizational over the last 5 years</b></p>	<ol style="list-style-type: none"> <li>1. Member of Physical Society of Indonesia (PSI)</li> </ol>