

## STAFF HANDBOOK



[\(SCOPUS\)](#) [\(SINTA\)](#)

Name	<i>Dr. Anggara Budi Susila, M.Si</i>
Position	<i>Lecturer in Physics Education, Universitas Negeri Jakarta</i>
Educational Background	<ol style="list-style-type: none"> <li>1. <i>Bachelor's degree from Physics Education at IKIP Jakarta (1980 – 1985)</i></li> <li>2. <i>Magister's degree from Physics at Institut Teknologi Bandung (1988 – 1991)</i></li> <li>3. <i>Doctoral degree from Materials Physics at Universitas Indonesia (2010 – 2016)</i></li> </ol>
Academic Career (Employment)	<ol style="list-style-type: none"> <li>1. <i>Ketua Program Studi Fisika (2005 – 2009)</i></li> <li>2. <i>Wakil Dekan Bidang Kemahasiswaan dan Alumni (2010 – 2014)</i></li> <li>3. <i>Ketua Jurusan Fisika (2014 – 2015)</i></li> <li>4. <i>Ketua Senat FMIPA UNJ (2019 – 2023)</i></li> </ol>
Research and Development project over the last 5 years	<ol style="list-style-type: none"> <li>1. <i>Analisis Pengaruh Variasi Reinforce Silicon Carbida (SiC) Pada Komposit Aluminium Alloy Au-Cu-Mg/SiC dengan Menggunakan Metoda Melt Casting (2017).</i></li> <li>2. <i>Sintesis Metal Matrix Composite (MMC) Alumunium 2024 dengan Reinforce SiC Menggunakan Metoda Stir Casting Untuk Aplikasi Mesin Automotif (2018).</i></li> <li>3. <i>Effects of variations in the addition of SiCp filler to corrosion rate of metal matrix composites (MMCs) Al-Cu-Mg/SiCp (2019).</i></li> <li>4. <i>Studi korosivitas komposit logam ferro-silika-magnesium berperekat aluminium berbasis serbuk dengan mechanical alloying pada temperature tinggi (2020).</i></li> <li>5. <i>Thermodynamic and structure properties of aluminum nanoparticle due to heat treatment: A molecular dynamics study (2021).</i></li> <li>6. <i>Influence of thickness on heat treatment from 300 to 1100 K of thin aluminum film (2022).</i></li> </ol>

Industry collaboration/ Community Services over the last 5 year	<ol style="list-style-type: none"> <li>1. <i>Pelatihan Desain Alat peraga Pembelajaran Fisika Di Islamic Boarding School Dwiwarna Desa Pamegarsari, Kecamatan Parung, Kabupaten Bogor Provinsi Jawa Barat (2020).</i></li> <li>2. <i>Pelatihan Pembuatan Alat Peraga Pembelajaran Fisika di Pondok Pesantren Ibad Ar Rahman Kecamatan Cimanuk Kabupaten Pandeglang Propinsi Banten (2021).</i></li> </ol>
Patents and Intellectual Property Right (IPR)	<ol style="list-style-type: none"> <li>1. <i>Modul LKPD Fenomena Kuantum (2020).</i></li> <li>2. <i>Buku Pengayaan Pembangkit Listrik Tenaga Surya sebagai Teknologi Ramah Lingkungan Di Indonesia (2020).</i></li> </ol>
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. <i>Magnetic and microwave absorbing properties of BaFe<sub>12-2xCoxZnx</sub>O<sub>19</sub> (x= 0.0; 0.2; 0.4; 0.6) nanocrystalline</i></li> <li>2. <i>Thermodynamic and structure properties of aluminum nanoparticle due to heat treatment: a molecular dynamics study</i></li> <li>3. <i>Influence of thickness on heat treatment from 300 to 1100 K of aluminum thin film</i></li> </ol>
Activities in Professional organizational over the last 5 years	<i>Himpunan Fisika Indonesia (HFI)</i>