

STAFF HANDBOOKS



(SCOPUS) (SINTA)

Name	<i>Dr. Budget Budi Susila, M.Sc</i>
Position	<i>Lecturer in Physics Education, University Country Jakarta</i>
Educational Backgrounds	<ol style="list-style-type: none"> 1. <i>Bachelor's degrees from Physics Education at IKIP Jakarta (1980 – 1985)</i> 2. <i>Master's degrees from Physics at Institute Technology Bandung (1988 –1991)</i> 3. <i>Doctoral degrees from Materials Physics at University Indonesia (2010 – 2016)</i>
Academic Career (Employment)	<ol style="list-style-type: none"> 1. <i>Chairman Program Physics Studies (2005 – 2009)</i> 2. <i>Representative Dean Field Student Affairs And Alumni (2010 – 2014)</i> 3. <i>Chairman Major Physics (2014 – 2015)</i> 4. <i>Chairman FMIPA UNJ Senate (2019 – 2023)</i>
Research and Development project over the last 5 years	<ol style="list-style-type: none"> 1. <i>Analysis Influence Variation Reinforce Silicon Carbide (SiC) On Composite Aluminum Alloy Au-Cu-Mg/SiC with Use Method Melt Casting (2017).</i> 2. <i>Synthesis Metal Matrix Composite (MMC) Aluminum 2024 with Reinforce SiC Uses the Stir Casting Method for Machine Applications Automotive (2018).</i> 3. <i>Effects of variations in the addition of SiCp filler to corrosion rate of metal matrices composites (MMCs) Al-Cu-Mg/SiCp (2019).</i> 4. <i>Corrosivity study of self-adhesive ferro-silica-magnesium metal composites aluminum based powder with mechanical alloying on temperature tall (2020).</i> 5. <i>Thermodynamic and structural properties of aluminum nanoparticles due to heat treatment: A molecular dynamics study (2021).</i> 6. <i>Influence of thickness on heat treatment from 300 to 1100 K of thin aluminum film (2022).</i>

Industry collaboration/ Community Services over the last 5 years	<ol style="list-style-type: none"> 1. <i>Physics Learning Props Design Training in Islamic Boarding Dwiwarna School, Pamegarsari Village, Parung District, Regency Bogor Province Java West (2020).</i> 2. <i>Training Making Tool Demonstrate Learning Physics in Cottage Boarding school Ibad Ar Rahman Subdistrict Cimanuk Regency Pandeglang Province Banten (2021).</i>
Patents and Intellectual Property Right (IPR)	<ol style="list-style-type: none"> 1. <i>Module Phenomenon LKPD Quantum (2020).</i> 2. <i>Book Enrichment Generator Electricity Power Sun as Technology Friendly Environment In Indonesia (2020).</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. <i>Magnetic and microwave absorbing properties of BaFe_{12-2xCoxZnx}O₁₉ (x= 0.0; 0.2; 0.4; 0.6) nanocrystalline</i> 2. <i>Thermodynamic and structures properties of aluminum nanoparticles due to heat treatment: a molecular dynamics study</i> 3. <i>Influence of thickness on heat treatment from 300 to 1100 K of aluminum thin films</i>
Activities in Professional organizational over the last 5 years	<i>Set Physics Indonesia (HFI)</i>