

STAFF HANDBOOKS



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

Name	<i>Dr. Umiatin, M.Si</i>
Position	<i>Lecturer in Physics Education, University Country Jakarta</i>
Educational Backgrounds	<ol style="list-style-type: none"> 1. <i>Bachelor's degrees in Physics, Institute of Technology Bandung (2001)</i> 2. <i>Master's degree in Physics, Institute Technology Bandung (2005)</i> 3. <i>Doctoral degrees in Biomedicine Physics, University Indonesia (2019)</i>
Academic Career (Employment)	<ol style="list-style-type: none"> 1. <i>Lecturer in Physics, University Country Jakarta</i> 2. <i>Department Secretary (2009 – 2012)</i> 3. <i>TPJM (2020 – 2022)</i>
Research and Development project over the last 5 years	<ol style="list-style-type: none"> 1. <i>Development PEMF US adjuvant therapy in obesity and fracture healing</i> 2. <i>Development of anthropometrics system</i>
Industry collaboration/ Community Services over the last 5 years	<ol style="list-style-type: none"> 1. <i>Integrated Healthcare Center Cempaka, Tangerang</i> 2. <i>Integrated Healthcare Center Orchid, Tangerang</i>
Patents and Intellectual Property Right (IPR)	<ol style="list-style-type: none"> 1. <i>Right Create Considering Toddlers</i> 2. <i>Right Create PEMF</i> 3. <i>Right Create Nutritional Status Survey Manual</i> 4. <i>Patent Simple tool anthropometry</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. <i>Design And making prototype pulse electromagnetic therapy(pemft) for studies bioelectromagnetics (2017)</i> 2. <i>design, Prototype of Arduino and Android-Based Anthropometry Systems for Toddler's Head and Upper Arm Circumference Measurements(2019)</i>

	<ol style="list-style-type: none"> 3. <i>Expressions of Lipo Proteins Lipase (LPL) on the Differentiation of Mesenchymal Stem Cell (2019)</i> 4. <i>Design baby weight and height monitoring system based on Arduino and Android applications (2019)</i> 5. <i>The Effect of Pulsed Electromagnetic Fields Exposure on Fracture Healing Through the Wnt Signals Pathways (2020)</i> 6. <i>Expression of Adipocyte Binding Protein-2 (AP-2) on the Adipogenic Differentiation of Mesenchymal Stem Cell after Pulsed Electromagnetic Fields (PEMF) Exposure (2020)</i> 7. <i>Histological Analysis of Bone Callus in Delayed Union Model Fracture Healing Stimulated with Pulsed Electromagnetic Fields (PEMF) (2021)</i>
<p>Activities in Professional organizational over the last 5 years</p>	<p>Physical Society of Indonesia</p>