



**UNIVERSITAS PENDIDIKAN INDONESIA**  
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES EDUCATION  
 DEPARTMENT OF PHYSICS EDUCATION  
 Jalan Dr. Setiabudhi 229 Bandung 40154  
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**STAFF HANDBOOK**

Name	Agus Fany Chandra Wijaya				
Position	Physics Education				
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>		
		<b>Instructor, Department of Physics Education of Universitas Pendidikan Indonesia</b>	<b>2006-Now</b>		
	<i>Habilitation [German post-doctoral qualification] (Subject)</i>	<i>Institution</i>	<i>Year</i>		
		-	-		
	<i>Doctorate (Subject)</i>	<i>Institution</i>	<i>Year</i>		
	<i>Master degree (subject)</i>	<i>Institution</i>	<i>Year</i>		
		<b>Universitas Pendidikan Indonesia</b>	<b>2007-2009</b>		
	<i>Undergraduate degree (subject)</i>	<i>Institution</i>	<i>Year</i>		
		<b>Universitas Pendidikan Indonesia</b>	<b>1999-2004</b>		
Employment	<i>Position</i>	<i>Employer</i>	<i>Year</i>		
	<b>Lecturer</b>	<b>Dean</b>	<b>2005-Now</b>		
Research and development projects over the last 5 years	<i>Name of project or research focus</i>				
	<i>Period and any other information</i>				
	<i>Partners, if applicable</i>				
	<i>Amount of financing</i>				
	<b>No</b>	<b>Year</b>	<b>Title of Research Project</b>	<b>Financing</b>	
				<b>Sources</b>	
				<b>Amount (Million Rp)</b>	
	1	2020	Pengembangan Instrumen Sustainability Awareness Berbasis Pembelajaran Sains untuk Siswa Sekolah Menengah	Universitas Pendidikan Indonesia	35
	2	2019	Integrasi ESD (Education for Sustainable Development) dalam Perkuliahan untuk Memetakan Profil ESD Awareness dan Meningkatkan Prestasi Belajar Mahasiswa Calon Guru	Universitas Pendidikan Indonesia	35
Industry collaborations over the last 5 years	-				
Patents and proprietary rights	-				
Important publications over the last 5 years	<i>Selected recent publications from a total of approx. (give total number): 5 Publications</i> <i>Author(s)</i> <i>Title</i>				



	<p><i>Any other information</i>  <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #4F81BD; color: white;"> <th style="width: 10%;">No</th> <th style="width: 60%;">Publication</th> <th style="width: 30%;">Author (s)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td> <p>Application of Problem Based Learning Model Using Education for Sustainable Development Context in Improving Critical Thingking Ability for Junior High School Students at Heat Theory</p> <p>DINAMIKA Jurnal Ilmiah Pendidikan Dasar, 2020, 12(2)            ISSN:2655-870X (online)</p> </td> <td> <p>Jenit Anggiani Lutfianis,  <b>Agus Fany Chandra</b>,            Purwanto</p> </td> </tr> <tr> <td style="text-align: center;">2</td> <td> <p>Penerapan Model Real World Situation Problem Based Learning Menggunakan Konteks Esd Dalam Meningkatkan Sustainability Awareness Siswa Di Kelas X</p> <p>Prosiding Seminar Nasional Fisika (E-Journal) SNF2019            VOLUME VIII, DESEMBER 2019 p-ISSN: 2339-0654            e-ISSN: 2476-9398  <a href="https://doi.org/10.21009/03.SNF2019">https://doi.org/10.21009/03.SNF2019</a></p> </td> <td> <p>Tiastuti Putria, Irma Rahma            Suwarma, Agus Danawan,  <b>Agus Fany Candra Wijaya</b></p> </td> </tr> <tr> <td style="text-align: center;">3</td> <td> <p>The use of STEM project-based learning toward students' concept mastery in learning light and optics</p> <p>Journal of Physics: Conference Series 1280 (2019) 032051            IOP Publishing            doi:10.1088/1742-6596/1280/3/032051</p> </td> <td> <p>S Hanif, <b>A F C Wijaya</b>, N            Winarno and E R Salsabila</p> </td> </tr> <tr> <td style="text-align: center;">4</td> <td> <p>The Analysis of Total Solar Eclipse Pictures on August 21, 2017 at Wyoming, USA</p> <p>IOP Conf. Series: Materials Science and Engineering 288 (2018) 012035 doi:10.1088/1757-899X/288/1/012035</p> </td> <td> <p>C P Asmoro, A R Achmad, <b>A F C Wijaya</b>, N D Ardi            and S H Budisulistiorini</p> </td> </tr> <tr> <td style="text-align: center;">5</td> <td> <p>Zenith sky brightness and celestial objects visibility during total solar eclipse on March 9, 2016 at Terentang Beach Bangka Island</p> <p>Journal of Physics: Conference Series 771 (2016) 012012 doi:10.1088/1742-6596/771/1/012012</p> </td> <td> <p><b>A F C Wijaya</b>, C P Asmoro, A            A Rochman, T R Ramalis, J A            Utama, N D Ardi, Amsor, M            G Nugraha, D Saepuzaman,            A Sutiadi            and D Nurfiani2</p> </td> </tr> </tbody> </table>	No	Publication	Author (s)	1	<p>Application of Problem Based Learning Model Using Education for Sustainable Development Context in Improving Critical Thingking Ability for Junior High School Students at Heat Theory</p> <p>DINAMIKA Jurnal Ilmiah Pendidikan Dasar, 2020, 12(2)            ISSN:2655-870X (online)</p>	<p>Jenit Anggiani Lutfianis,  <b>Agus Fany Chandra</b>,            Purwanto</p>	2	<p>Penerapan Model Real World Situation Problem Based Learning Menggunakan Konteks Esd Dalam Meningkatkan Sustainability Awareness Siswa Di Kelas X</p> <p>Prosiding Seminar Nasional Fisika (E-Journal) SNF2019            VOLUME VIII, DESEMBER 2019 p-ISSN: 2339-0654            e-ISSN: 2476-9398  <a href="https://doi.org/10.21009/03.SNF2019">https://doi.org/10.21009/03.SNF2019</a></p>	<p>Tiastuti Putria, Irma Rahma            Suwarma, Agus Danawan,  <b>Agus Fany Candra Wijaya</b></p>	3	<p>The use of STEM project-based learning toward students' concept mastery in learning light and optics</p> <p>Journal of Physics: Conference Series 1280 (2019) 032051            IOP Publishing            doi:10.1088/1742-6596/1280/3/032051</p>	<p>S Hanif, <b>A F C Wijaya</b>, N            Winarno and E R Salsabila</p>	4	<p>The Analysis of Total Solar Eclipse Pictures on August 21, 2017 at Wyoming, USA</p> <p>IOP Conf. Series: Materials Science and Engineering 288 (2018) 012035 doi:10.1088/1757-899X/288/1/012035</p>	<p>C P Asmoro, A R Achmad, <b>A F C Wijaya</b>, N D Ardi            and S H Budisulistiorini</p>	5	<p>Zenith sky brightness and celestial objects visibility during total solar eclipse on March 9, 2016 at Terentang Beach Bangka Island</p> <p>Journal of Physics: Conference Series 771 (2016) 012012 doi:10.1088/1742-6596/771/1/012012</p>	<p><b>A F C Wijaya</b>, C P Asmoro, A            A Rochman, T R Ramalis, J A            Utama, N D Ardi, Amsor, M            G Nugraha, D Saepuzaman,            A Sutiadi            and D Nurfiani2</p>
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bodies over the last 5 years	<b>Organization</b>	<b>Role</b>	<b>Periods</b>
	Physical Society of Indonesia	Member	2015 - Now

*Membership without a specific role need not be mentioned*