



STAFF HANDBOOK

Name	Cahyo Puji Asmoro				
Position	Physics Education				
Academic career	<i>Initial academic appointment</i>	<i>Institution</i>	<i>Year</i>		
		Pranata Laboratorium Pendidikan Pertama (Laboratory Staff), Department of Physics Education of Universitas Pendidikan Indonesia	2018-Now		
	<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>		
	<i>Undergraduate degree (subject)</i>	<i>Institution</i>	<i>Year</i>		
		Universitas Pendidikan Indonesia	2002-2007		
Employment	<i>Position</i>	<i>Employer</i>	<i>Year</i>		
	Laboratory Staff	Dean	2015-Now		
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>				
	No	Year	Title of Research Project	Financing	
				Sources	
				Amount (Million Rp)	
	1	2018	Pengembangan Sistem LMGZ dalam pengelolaan laboratorium di Universitas Pendidikan Indonesia Ketua : Cahyo Puji Asmoro Anggota : Hana Susanti	UPI	5.500.000
	2	2018	Rekonstruksi Set Alat Eksperimen Viskositas Ketua : Hana Susanti Anggota : Cahyo Puji Asmoro	UPI	5.500.000
	3	2019	Pengaruh Ekstrak Daun Ipomoea batatas L Sebagai Flokulan Terhadap Penurunan Kadar Ca ²⁺ dan Mg ²⁺ (Kesadahan) Dalam Pengolahan Air Untuk Praktikum Pada Mata Kuliah Kimia Analisis Lingkungan di Jurusan Kimia FPMIPA UPI Ketua : Hana Rohana Anggota : Cahyo Puji Asmoro	UPI	17.000.000



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 Website: fisika.upi.edu, E-mail: fisika@upi.edu

	4	2020	Rekontruksi Set Alat Praktikum Geolistrik pada Matakuliah Eksplorasi Geofisika di Departemen Pendidikan Fisika FPMIPA UPI Ketua : Cahyo Puji Asmoro Anggota : Hana Susanti	UPI	15.000.000																								
	5	2020	REKONSTRUKSI SET ALAT TRANSFORMATOR PADA MATA KULIAH EKSPERIMEN FISIKA DASAR Ketua : Hana Susanti Anggota : Cahyo Puji Asmoro	Kemendikbud	15.000.000																								
	6	2021	Teleskop Do It Yourself pada Praktikum Astrofisika Ketua : Cahyo Puji Asmoro Anggota : Hana Susanti	UPI	15.000.000																								
	7	2021	Pengaruh Teknik Pemecahan Dinding Sel Terhadap Perolehan Lipid dan Asam Lemak Prekursor Biodiesel dari Mikroalga Nannochloropsis Ketua : Surani Anggota : Cahyo Puji Asmoro	UPI	15.000.000																								
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>																												
Patents and proprietary rights	<table border="1"> <thead> <tr> <th>No.</th> <th>Title</th> <th>Type</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buku Sistem LMGZ (Laboratory Management Generation Z)</td> <td>Proprietary rights</td> <td>2019</td> </tr> <tr> <td>2</td> <td>Buku Panduan/Petunjuk Panduan Penggunaan Teleskop Astronomi 900114EQ</td> <td>Proprietary rights</td> <td>2019</td> </tr> <tr> <td>3</td> <td>Buku Panduan/Petunjuk Elektroda Geolistrik Do It Yourself Versi 01</td> <td>Proprietary rights</td> <td>2020</td> </tr> <tr> <td>4</td> <td>Buku Panduan/Petunjuk Pengelolaan Laboratorium Teknik Pengerjaan Logam</td> <td>Proprietary rights</td> <td>2020</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					No.	Title	Type	Year	1	Buku Sistem LMGZ (Laboratory Management Generation Z)	Proprietary rights	2019	2	Buku Panduan/Petunjuk Panduan Penggunaan Teleskop Astronomi 900114EQ	Proprietary rights	2019	3	Buku Panduan/Petunjuk Elektroda Geolistrik Do It Yourself Versi 01	Proprietary rights	2020	4	Buku Panduan/Petunjuk Pengelolaan Laboratorium Teknik Pengerjaan Logam	Proprietary rights	2020				
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<p>Important publications over the last 5 years</p>	<p><i>Selected recent publications from a total of approx. (give total number): 11 Publication (Scopus Indexed)</i> <i>Author(s)</i> <i>Title</i> <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: #4a86e8; color: white;"> <th style="width: 5%;">No</th> <th style="width: 65%;">Publication</th> <th style="width: 30%;">Author (s)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td> <p>Analysis on atmospheric pressure, temperature, and wind speed profiles during total solar eclipse 9 March 2016 using time series clustering</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012009 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342</p> </td> <td> <ul style="list-style-type: none"> • Riza, L.S., • Wihardi, Y., • Nurdin, E.A., • Ardi, N.D., • Asmoro, C.P., • Wijaya, A.F.C., • Utama, J.A., • Nandiyanto, A.B.D. </td> </tr> <tr> <td style="text-align: center;">2</td> <td> <p>Mapping Landslide Potential Area using Fault Fracture Density Analysis on Unmanned Aerial Vehicle (UAV) Image</p> <p>IOP Conference Series: Earth and Environmental Science Volume 145, Issue 1, 4 May 2018, Article number 012010 1st UPI International Geography Seminar 2017, IGEOs 2017; Bandung; Indonesia; 8 August 2017 through 8 August 2017; Code 136505</p> </td> <td> <ul style="list-style-type: none"> • Ardi, N.D., • Iryanti, M., • Asmoro, C.P., • Nurhayati, N., • Agustine, E. </td> </tr> <tr> <td style="text-align: center;">3</td> <td> <p>A meteorological study of the sea and land breezes in Bangka Indonesia during the total solar eclipse on March 9, 2016</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012011 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342</p> </td> <td> <ul style="list-style-type: none"> • Ardi, N.D., • Tayubi, Y.R., • Gandini, R., • Asmoro, C.P., • Nurfiani, D., • Wijaya, A.F.C., • Ramalis, T.R. </td> </tr> <tr> <td style="text-align: center;">4</td> <td> <p>The Assembled Solar Eclipse Package (ASEP) in Bangka Indonesia during the total solar eclipse on March 9, 2016</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012020 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut</p> </td> <td> <ul style="list-style-type: none"> • Asmoro, C.P., • Wijaya, A.F.C., • Ardi, N.D., • Abdurrohman, A., • Utama, J.A., • Sutiadi, A., • Hikmat, </td> </tr> </tbody> </table>	No	Publication	Author (s)	1	<p>Analysis on atmospheric pressure, temperature, and wind speed profiles during total solar eclipse 9 March 2016 using time series clustering</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012009 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342</p>	<ul style="list-style-type: none"> • Riza, L.S., • Wihardi, Y., • Nurdin, E.A., • Ardi, N.D., • Asmoro, C.P., • Wijaya, A.F.C., • Utama, J.A., • Nandiyanto, A.B.D. 	2	<p>Mapping Landslide Potential Area using Fault Fracture Density Analysis on Unmanned Aerial Vehicle (UAV) Image</p> <p>IOP Conference Series: Earth and Environmental Science Volume 145, Issue 1, 4 May 2018, Article number 012010 1st UPI International Geography Seminar 2017, IGEOs 2017; Bandung; Indonesia; 8 August 2017 through 8 August 2017; Code 136505</p>	<ul style="list-style-type: none"> • Ardi, N.D., • Iryanti, M., • Asmoro, C.P., • Nurhayati, N., • Agustine, E. 	3	<p>A meteorological study of the sea and land breezes in Bangka Indonesia during the total solar eclipse on March 9, 2016</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012011 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342</p>	<ul style="list-style-type: none"> • Ardi, N.D., • Tayubi, Y.R., • Gandini, R., • Asmoro, C.P., • Nurfiani, D., • Wijaya, A.F.C., • Ramalis, T.R. 	4	<p>The Assembled Solar Eclipse Package (ASEP) in Bangka Indonesia during the total solar eclipse on March 9, 2016</p> <p>Journal of Physics: Conference Series Volume 771, Issue 1, 26 November 2016, Article number 012020 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut</p>	<ul style="list-style-type: none"> • Asmoro, C.P., • Wijaya, A.F.C., • Ardi, N.D., • Abdurrohman, A., • Utama, J.A., • Sutiadi, A., • Hikmat, 	
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		Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342	<ul style="list-style-type: none"> • Ramalis, T.R., • Suyardi, B
	5	<p>Geoelectric imaging for saline water intrusion in Geopark zone of Ciletuh Bay, Indonesia</p> <p>Journal of Physics: Conference Series Volume 1013, Issue 1, 18 May 2018, Article number 0121854th International Seminar of Mathematics, Science and Computer Science Education, MSCEIS 2017; Bandung; Indonesia; 14 October 2017 through 14 October 2017; Code 136776</p>	<ul style="list-style-type: none"> • Ardi, N.D., • Iryanti, M., • Asmoro, C.P., • Yusuf, A., • Sundana, A.N.A., • Safura, H.Y., • Fitri, M., • Anggraeni, M., • Kurniawan, R., • Afrianti, R., • Sumarni
	6	<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 Volume 771, Issue 1, 26 November 2016, Article number 012012 International Symposium on Sun, Earth, and Life, ISSEL 2016; East Hall - Institut Teknologi Bandung (ITB) Bandung; Indonesia; 3 June 2016 through 4 June 2016; Code 125342</p>	<ul style="list-style-type: none"> • Wijaya, A.F.C., • Asmoro, C.P., • Rochman, A.A., • Ramalis, T.R., • Utama, J.A., • Ardi, N.D., • Amsor, • Nugraha, M.G., • Saepuzaman, D., • Sutiadi, A., • Nurfiani, D.
	7	<p>The Analysis of Total Solar Eclipse Pictures on August 21, 2017 at Wyoming, USA</p> <p>IOP Conference Series: Materials Science and Engineering Volume 288, Issue 1, 25 January 2018, Article number 012035 2nd Annual Applied Science and Engineering Conference, AASEC 2017; Bandung; Indonesia; 24 August 2017 through 24 August 2017; Code 134033</p>	<ul style="list-style-type: none"> • Asmoro, C.P., • Achmad, A.R., • Wijaya, A.F.C., • Ardi, N.D., • Budisulistiorini, S.H.
	8	<p>The electrical properties on the plantation fires at Liang Anggang Village in the South Kalimantan in Indonesia</p> <p>Journal of Physics: Conference Series Volume 1280, Issue 2, 22 November 2019, Article number 022066 6th International Seminar on Mathematics, Science, and Computer Science Education, MSCEIS 2018; Grand Mercure</p>	<ul style="list-style-type: none"> • Iryanti, M., • Aminudin, A., • Agustine, E., • Ardi, N.D., • Asmoro, C.P., • Purnama, E., • Tayubi, Y.R.



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	HotelBandung; Indonesia; 27 October 2018 through ; Code 155271		
9	How tropical cyclones affected temperature, pressure, and humidity in Universitas Pendidikan Indonesia Journal of Physics: Conference SeriesVolume 1280, Issue 2, 22 November 2019, Article number 0220776th International Seminar on Mathematics, Science, and Computer Science Education, MSCEIS 2018; Grand Mercure HotelBandung; Indonesia; 27 October 2018 through ; Code 155271	<ul style="list-style-type: none"> • Nugroho, H.S., • Asmoro, C.P., • Achmad, A.R., • Ardi, N.D., • Wijaya, A.F.C., • Utama, J.A., • Tayubi, Y.R. 	
10	Analysis of meteorological parameters wind speed, temperature, and pressure profiles during Tropical Cyclone Cempaka Dahlia 2017 using time series analysis Journal of Physics: Conference SeriesVolume 1280, Issue 2, 22 November 2019, Article number 0220766th International Seminar on Mathematics, Science, and Computer Science Education, MSCEIS 2018; Grand Mercure HotelBandung; Indonesia; 27 October 2018 through ; Code 155271	<ul style="list-style-type: none"> • Asmoro, C.P., • Riza, L.S., • Ardi, N.D., • Hikmat, • Amsor, • Tayubi, Y.R. 	
11	Monitoring of rainfall infiltration to under surface using DC resistivity method Journal of Physics: Conference SeriesVolume 1280, Issue 2, 22 November 2019, Article number 0220636th International Seminar on Mathematics, Science, and Computer Science Education, MSCEIS 2018; Grand Mercure HotelBandung; Indonesia; 27 October 2018 through ; Code 155271	<ul style="list-style-type: none"> • Ardi, N.D., • Iryanti, M., • Agustine, E., • Asmoro, C.P., • Yusuf, A., • Sundana, A.N.A., • Safura, H.Y., • Fitri, M., • Anggraeni, M., • Kurniawan, R., • Afrianti, R., • Sumarni 	
Activities in specialist bodies over the last 5 years	Organization	Role	Periods
	Persatuan Pranata Laboratorium Pendidikan Indonesia	Pengurus Pusat Bidang P2M	2018-Now
<i>Membership without a specific role need not be mentioned</i>			