

STAFF HANDBOOK

Physics Undergraduate Study
2022-2023



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Name	Imam Tazi		
Post	Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang		
Academic career	S1 Fisika	Univ. Brawijaya Malang	1998
	S2 Statistika	ITS Surabaya	2005
	S3 Fisika	UGM Yogyakarta	2017
Employment	Dosen Fisika	Employer: UIN Malang	2003-now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. Tahun 2022, Prototype Oksigen Konsentrator Bertingkat Dengan Memanfaatkan Bahan Zeolit Alam Teraktivasi Dan Zeolit Sintetis Type 13x, Biaya: 35.000.000 2. Tahun 2021, Pengembangan dan uji kemampuan kabut anti virus dan bakteri (kavi-b) dalam membasmi bakteri Escherichia coli dan bakteri staphylococcus aureus, periode: 1 tahun, biaya: Rp.30.000.000, 3. Tahun 2020, Pengembangan sensor cerdas lidah elektronik melalui karakterisasi membran lipid sensor terhadap 5 rasa dasar dan deteksi limit konsentrasi daging babi pada sampel makanan, Biaya: 500.000.000 4. Tahun 2019, Pengembangan dan Penerapan Sensor Material Canggih (lidah elektronik) untuk identifikasi kualitas air minum, , periode: 1 tahun, biaya: Rp.100.000.000. 		
Industry collaborations over the last 5 years	Project title Partners		
Patents and proprietary rights	Title Year		
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. River water classification pattern in Malang city based on electronic tongue for identification of environmental pollution, Journal of Physics: Conf. Series, 2020, ser 1436. hal 1-5 2. Analisis Kandungan Minyak Babi Pada Minyak Kanola Melalui Klasifikasi Pola Hidung Elektronik (E-Nose) Berbasis Linear Diskriminan Analysis(LDA), Jurnal Fisika Flux, 2020, Volume 17, Nomor 1. Hal 14-19 3. Principal Component Analysis (PCA) Method for Classification of Beef and Pork Aroma Based on Electronic Nose, Indonesian Journal of Halal Research (IJHAR), 2019, Vol 1, no 1, hal 5-8 4. QCM sensor sensitivity analysis of silver electrodes coated with lipid membrane oleyl alcohol toward NaCl and HCl, Jurnal Neutrino: Jurnal Fisika dan aplikasinya, Vol 9, No.2 2019, hal 66-72 5. Karakterisasi Sensor MAX30102 Sebagai Alat Ukur Detak Jantung dan Suhu Tubuh Berbasis Photoplethysmograph, Jurnal Pendidikan MIPA, 2022, Vol 12 No.3 6. Klasifikasi Pola Aroma Teh Hijau Menggunakan Hidung Elektronik (E-Nose) Berbasis Linear Diskriminan Analisis (LDA), Jurnal Pendidikan MIPA 7. The Potency of Antioxidant Perfume of Essential Oils to Reduce Free Radical Content in Air, IOP Conference Series: Materials Science and Engineering, 2020, 833(1), 012007 8. Design and testing of electronic nose for determining the pattern of bad breath classification in patients with diabetes mellitus and pulmonary tuberculosis (TBC), : AIP Conference Proceedings 2120, 050004 (2019); https://doi.org/10.1063/1.5115680 9. Principal Component Analysis-Based Data Clustering for Labeling of Level Damage Sector in Post-Natural Disasters, in IEEE Access, doi: 10.1109/ACCESS.2023.3275852. 		
Activities in specialist bodies over the last 5	Organisation	Role	Period

years	<i>Membership without a specific role need not be mentioned</i>
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Name	Mokhamad Tirono									
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>									
Academic career	<table> <tr> <td><i>S1 Fisika</i></td> <td><i>Universitas Jember</i></td> <td><i>1988</i></td> </tr> <tr> <td><i>S2 Fisika</i></td> <td><i>Universitas Gajah Mada</i></td> <td><i>1998</i></td> </tr> <tr> <td><i>S3 Fisika</i></td> <td><i>Universitas Airlangga</i></td> <td><i>2017</i></td> </tr> </table>	<i>S1 Fisika</i>	<i>Universitas Jember</i>	<i>1988</i>	<i>S2 Fisika</i>	<i>Universitas Gajah Mada</i>	<i>1998</i>	<i>S3 Fisika</i>	<i>Universitas Airlangga</i>	<i>2017</i>
<i>S1 Fisika</i>	<i>Universitas Jember</i>	<i>1988</i>								
<i>S2 Fisika</i>	<i>Universitas Gajah Mada</i>	<i>1998</i>								
<i>S3 Fisika</i>	<i>Universitas Airlangga</i>	<i>2017</i>								
Employment	<i>Dosen Fisika Employer: UIN Malang 2002-now</i>									
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Perlakuan medan magnet untuk meningkatkan produktivitas dan kandungan kurkumin pada tanaman kunyit merah, periode: 1 tahun, biaya: Rp.34.000.000, 2023.</i> <i>2. Aplikasi medan magnet Extremely Low Frequency (elf) untuk mempercepat pertumbuhan dan meningkatkan buah tanaman Kedelai, Periode 1 Tahun, Biaya: Rp. 30.000.000, (2022)</i> <i>3. Dosis efektif medan magne untuk meningkatkan ketahanan tanman wijen dari hama layu fusarium oxysporum, periode: 1 tahun, biaya: Rp.30.000.000, 2021</i> <i>4. Medan magnet untuk pemercepat perkecambahan dan pertumbuhan tanaman (studi kasus pada tomat dan wijen), periode: 1 tahun, biaya: Rp.30.000.000, 2021</i> <i>5. Medan magnet untuk pemercepat perkecambahan dan pertumbuhan tanaman (studi kasus pada tomat dan wijen), periode: 1 tahun, biaya: Rp.30.000.000, 2020</i> <i>6. Analisis peningkatan akurasi pada teknik geofencing menggunakan algoritma crossing number dalam upaya perbaikan dan pemerataan infrastruktur daerah, periode: 1 tahun, biaya: Rp.25.000.000, 2020</i> <i>7. Efek Stimulasi Arus Listrik Terhadap KONTaminasi Bakteri pada Luka Penderita Diabetes, periode: 1 tahun, biaya: Rp.40.000.000, 2019</i> 									
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>									
Patents and proprietary rights	<table> <thead> <tr> <th><i>Title</i></th> <th><i>Year</i></th> </tr> </thead> </table>	<i>Title</i>	<i>Year</i>							
<i>Title</i>	<i>Year</i>									
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. The Effectiveness of UV-C Light for Inactivating Listeria monocytogenes Bacteria and its Impact on Apple Juice, Open Biotechnology Journal, 2023, 17(1), e187407072303130</i> <i>2. The Use of a Time-Changing Magnetic Field to Increase Soybean (Glycine max) Growth and Productivity, International Journal of Design and Nature and Ecodynamics, 2022, 17(5), pp. 737–743</i> <i>3. Application of a Time-Changing Magnetic Field to Increase Tomato Growth and Resistance to Fusarium oxysporum f. spp. Lycopersici, International Journal of Agriculture and Biology, 2022, 28(1), pp. 33–39</i> <i>4. THE APPLICATION OF EXTREMELY LOW-FREQUENCY (ELF) MAGNETIC FIELDS TO ACCELERATE THE GROWTH OF LACTOBACILLUS ACIDOPHILUS L. BACTERIA AND THE MILK FERMENTATION PROCESS, Acta Scientiarum Polonorum, Technologia Alimentaria, 2022, 21(1), pp. 31–38</i> <i>5. An effective dose of magnetic field to increase sesame plant growth and its resistance to fusarium oxysporum wilt, International Journal of Design and Nature and Ecodynamics, 2021, 16(3), pp. 285–291</i> <i>6. The simulation of mechanical stimulation effect on bone elasticity limit based on finite element method (Fem), Jurnal Teknologi, Vol. 83 No. 3 May 2021, hal 21-27</i> <i>7. Pulse Voltage Electrical Stimulation for Bacterial Inactivation and Wound Healing in Mice with Diabetes, Avicenna Journal of Medical</i> 									

	<p><i>Biotechnology, 2021, 14(1), pp. 95–101</i></p> <p>8. <i>Modeling of inactivation of biofilm composing bacteria with low intensity electric field: Prediction of lowest intensity and mechanism, Pertanika Journal of Science and Technology, 2021, 29(1), pp. 149–163, JST-2161-2020.</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p><i>Organisation Role Period</i></p> <p><i>Membership without a specific role need not be mentioned</i></p>

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Name	Agus Mulyono		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>ITS Surabaya</i>	<i>2004</i>
	<i>S2 Fisika</i>	<i>ITS Surabaya</i>	<i>2008</i>
	<i>S3 Fisika</i>	<i>ITS Surabaya</i>	<i>2020</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2008-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Analisis tingkat keparahan stroke melalui analisis tekstur citra CT-Scan dan nbsp kepala dengan metode gray level run length matrix, periode: 1 tahun, biaya: Rp.34.000.000 2023</i> <i>2. Pengembangan qirbah kulit kelinci unuk meningkatkan kualitas air minum (upaya memasyarakatkan kesunnahan penggunaan qirbah), periode: 1 tahun, biaya: Rp.35.000.000, 2022</i> <i>3. Pengembangan dan uji kemampuan kabut anti virus dan bakteri (kavi-b) dalam membasmi bakteri Escherichia coli dan bakteri staphylococcus aureus, periode: 1 tahun, biaya: Rp.30.000.000, 20219</i> 		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Effectiveness of Catching Free Radicals in Cigarette Smoke with Biofilters Made from Bidara Leaf Powder, Jurnal Pendidikan Fisika dan Keilmuan (JPFK), 2021, vol 7, no 1, hal 31-38</i> <i>2. The Effect of Cigarette Smoke Exposure with Bidara (Sidr) Leaf Powder Biofilter on Glucose Levels and Pancreas Histology in Mice Diabetes Mellitus, International Journal of Design & Nature and Ecodynamics, 2022, Vol 17, No 2, Hal. 233-238</i> <i>3. The Effect of Cigarette Smoke through Biofilters with Natural Plant Materials on Mice MDA Level, Medical Journal of The Islamic Republic of Iran (MJIRI), 2021, 35.182. Hal 1-6</i> <i>4. Java Sparrow Bird Sex Detection Through Texture Analysis and Beak Image Color, Pakistan Journal of Zoology, 2022, Vol. 54, No 6, Hal 2675-2679</i> <i>5. Identification of the Estrous Period through Texture Analysis of the Cow Vulva Image, REDVET - Revista electrónica de Veterinaria - ISSN 1695-7504, 2022, REDVET - Revista electrónica de Veterinaria - ISSN 1695-7504, 2022, Vol 23, No 3, Hal 261-269</i> <i>6. Patella radiograph image texture The correlation with lumbar spine bone mineral density values, Jurnal Ilmiah Pendidikan Fisika Al-BiRuNi, 2022, Volume 11, Issue I, Hal 69-75</i> <i>7. Gabungan Metode Gray Level Co-Occurrence Matrix Dan Gray Level Run Length Matrix Pada Analisis Citra Radio Grafidental Panoramic Untuk Deteksi Dini Osteoporosis, Orbita. Jurnal Hasil Kajian, Inovasi, dan Aplikasi Pendidikan Fisika, 2022, ORBITA. Jurnal Hasil Kajian, Inovasi, dan Aplikasi Pendidikan Fisika, Volume 8, No 7, Hal 134-138</i> <i>8. Correlation Of Manus Radiograph Image Texture Value With Bone Mineral Density Lumbar Spine Value, Jurnal Neutrino:Jurnal Fisika dan Aplikasinya, 2022, Vol 14, No 2, Hal 46-49.</i> 		
Activities in specialist bodies over the last 5	<i>Organisation</i>	<i>Role</i>	<i>Period</i>

years	<i>Membership without a specific role need not be mentioned</i>
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Name	Erna Hastuti		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>ITS Surabaya</i>	<i>1999-2004</i>
	<i>S2 Fisika</i>	<i>ITS Surabaya</i>	<i>2004-2006</i>
	<i>S3 Fisika</i>	<i>ITS Surabaya</i>	<i>2018-2021</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2008-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Pengembangan Metode Pembuatan Carbon Dots (cDs) dari limbah biomassa sebagai material fotokatalis, period 1 tahun, Biaya: Rp: 34.000.000 (2023)</i> <i>2. Pemanfaatan limbah bulu ayam dalam pembuatan komposit SnO₂GO/rGO sebagai elektroda pada sel surya tersensitisasi pewarna (DSSC), Period 1 tahun. Biaya: Rp. 35.000.000 (2022)</i> <i>3. Sintesis dan karakterisasi reduce grapheme oxide (rgo) dari limbah bulu ayam sebagai penyimpan energy elektrokimia menggunakan metode chemical exfoliation, Period 1 tahun, Biaya: Rp. 30.000.000 (2020)</i> <i>4. Sintesis dan karakterisasi keratin dengan variasi temperature aktivasi untuk bahan baterai lithium, Period 1 Tahun, Biaya: Rp. 40.000.000 (2019)</i> 		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Oxidation state, local structure distortion, and defect structure analysis of Cu doped α-MnO₂ correlated to conductivity and dielectric properties. Heliyon. (2022)</i> <i>2. The analysis of the structure, electrical, and dielectric properties of δ-MnO₂ prepared through hydrothermal processes. AIP Conference Proceedings 2391, 090012 (2022)</i> <i>3. Synthesis of activated carbon derived from chicken feather for Li-ion batteries through chemical and physical activation process. Materials for Renewable and Sustainable Energy 10 (3), 1-9 (2021)</i> <i>4. Effect of PVDF composition in activated carbon derived from chicken feather on electrical properties. Journal of Physics: Conference Series 1825 (1), 012052. (2021)</i> <i>5. The effects of Fe-doping on MnO₂: phase transitions, defect structures and its influence on electrical properties. RSC Advances 11 (14), 7808-7823.(2021)</i> <i>6. Performance of carbon based on chicken feather with KOH activation as an anode for Li-ion batteries. Materials Today: Proceedings 44.. (2021)</i> <i>7. Characteristics and photocatalytic activity of highly c-axis-oriented ZnO thin films. Journal of Sol-Gel Science and Technology 96 (1), 226-235 (2020)</i> 		
Activities in specialist bodies over the last 5	<i>Organisation</i>	<i>Role</i>	<i>Period</i>

years	<i>Membership without a specific role need not be mentioned</i>
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Name	Cecep E Rustana		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>Diploma</i>	<i>Institute Teacher Training and Education (IKIP) Jakarta</i>	<i>1978</i>
	<i>S1</i>	<i>-Institute Teacher Training and Education (IKIP) Jakarta</i>	<i>1985</i>
	<i>S2</i>	<i>-Murdoch University</i>	<i>1989</i>
	<i>S3</i>	<i>Curtin University of Technology</i>	<i>1992</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2020-now</i>
	<i>Editor in Chief</i>	<i>Jurnal Neutrino: Jurnal Fisika dan Aplikasinya</i>	<i>2020-now</i>
	<i>Board of Supervisors of Foundation</i>	<i>Islamic Boarding School Darun-Najah, Malang East Java, Indonesia</i>	<i>2018 up to now</i>
	<i>Education Advisor of Teacher Professional Development and Strategy</i>	<i>Director General of Teacher and Educational Staffs Ministry of Education and Culture, Republic of Indonesia</i>	<i>June to December 2019</i>
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i> <i>Year</i>		
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Analysis of science process skills taught utilizing PODE (predict-observe-discuss-explain) learning strategy completed by PhET simulation for high school student of grade XI. InAIP Conference Proceedings 2023 Jun 16 (Vol. 2614, No. 1). AIP Publishing.</i> <i>2. Analysis of science process skills taught utilizing PODE (predict-observe-discuss-explain) learning strategy completed by PhET simulation for high school student of grade XI. InAIP Conference Proceedings 2023 Jun 16 (Vol. 2614, No. 1). AIP Publishing.</i> <i>3. Kelayakan media pembelajaran interaktif yang dikembangkan dengan menggunakan powerpoint ispring suite 8 pada konsep fluida statis untuk peserta didik sma. Inprosiding seminar nasional fisika (e-journal) 2023 jan 31 (vol. 11).</i> <i>4. Characterization of Activated Carbon of Rice Husk and Clay Soil Materials for Proton Exchange Membrane of Microbial Fuel Cell. Journal of Physics: Conference Series. 2022; Vol. 2377. 012055</i> <i>5. The Effect of NaOH Catalyst on Hydrogen Production produced through the Electrolysis Process of Seawater from Mangrove Area. Natural Volatiles and Essential Oils. 2021: 8(6), 3842 – 3849</i> <i>6. The Use of Aluminum and Coconut Shell Waste for Hydrogen Production. Natural Volatiles and Essential Oils. 2021: 8(6), 3904 – 3917</i> <i>7. The Effect of Clay Coating on Electrodes in Seawater Electrolysis Process to Produce Environmentally Friendly Hydrogen Energy. Natural Volatiles and</i> 		

Essential Oils. 2021: 8(6), 3850 – 3858

8. *Development Of Beat Frequency Practicum Device Using Arduino UNO And AD9833 Module*. AIP Conference Proceedings 2320, 050041 (2021); <https://doi.org/10.1063/5.0037616>
9. *The Powtoon Video In Instagram: The Learning Physics Fun In Social Media*. AIP Conference Proceedings 2320, 020014 (2021); <https://doi.org/10.1063/5.0037611>.
10. *The Effect Of Inquiry Models And Motivation To Study On Students' Cognitive Learning Outcomes In Straight Motion Learning At Senior High School (A Case Study)*. AIP Conference Proceedings 2320, 020031 (2021); <https://doi.org/10.1063/5.0038446>.
11. *"ProSim" – Designing Projectile Motion Worksheet To Support Higher-Order Thinking Skill*. AIP Conference Proceedings 2320, 020044 (2021); <https://doi.org/10.1063/5.0037482>
12. *Studi Pengaruh Jenis Elektroda Terhadap Produksi Gas Hidrogen Dengan Proses Elektrolisis Air*. <http://journal.unj.ac.id/unj/index.php/prosidingsnf/issue/view/1277>. <https://doi.org/10.21009/03.SNF2020.01.FA.02>. VOLUME IX, DESEMBER2020
13. *Studi Potensi Hidrogen Air Laut Melalui Proses Elektrolisis Sebagai Energi Terbarukan*. <http://journal.unj.ac.id/unj/index.php/prosidingsnf/issue/current>. DOI: doi.org/10.21009/03.SNF2020.01.FA.03. VOLUME IX, DESEMBER2020
14. *Identifikasi Sebaran Vegetasi Berbasis Data Modis Menggunakan Metode Normalized Difference Vegetation Index (NDVI)*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020*. <https://doi.org/10.21009/03.SNF2020>. VOLUME IX, DESEMBER2020
15. *Pengembangan modul elektronik flipbook berbasis problem based learning pada materi induksi elektronik SMA kelas XII*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020*. <https://doi.org/10.21009/03.SNF2020> VOLUME IX, DESEMBER2020.
16. *Pengembangan Alat Pengukur Cepat Rambat Bunyi Menggunakan Sensor Ultrasonik Sebagai media Pembelajaran Fisika SMA*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020*. <https://doi.org/10.21009/03.SNF2020> VOLUME IX, DESEMBER2020.
17. *Pengembangan E-Learning berbasis Schoology pada Materi Gerak Parabola Untuk Pembelajaran Blended Learning*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020*. <https://doi.org/10.21009/03.SNF2020> VOLUME IX, DESEMBER2020
18. *Pengembangan Buku Pengayaan Fisika Kelautan Berbasis Augmented Reality untuk Meningkatkan Kemampuan Berpikir Kritis*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020*. <https://doi.org/10.21009/03.SNF2020> VOLUME IX, DESEMBER2020
19. *Pengembangan Video Pembelajaran Gelombang Bunyi Menggunakan Model Problem Based Learning (PBL)*. *Prosiding Seminar Nasional Fisika (E-Journal) SNF2020* <https://doi.org/10.21009/03.SNF2020> VOLUME IX, DESEMBER2020
20. *Pengaruh Pemanfaatan Media Phet Dalam Pembelajaran Jarak Jauh Menggunakan Webinar Zoom Terhadap Peningkatan High Order Thinking Skills (HOTS) Siswa Fisika SMA*. <http://journal.unj.ac.id/unj/index.php/prosidingsnf/issue/view/1277>. <https://doi.org/10.21009/03.SNF2020.02.PF.26>
21. *Comparative Analysis of NOAA-11/AVHRR Land Surface Temperature (LST) Algorithm and LST MODIS Data*. *Science and Mathematics International Conference (SMIC) 2020, 8-9 August 2020*.
22. *Haze Detection Using Brightness Temperature of MODIS Infrared Channel Data*. *Science and Mathematics International Conference (SMIC) 2020, 8-9 August 2020*
23. *Analysis of student's learning achievement simulation using PhET interactive simulation and laboratory kit of gas kinetic theory*. *Journal of Physics Conference Series (Scopus-index)*. Volume 1567, 2020.

	<p>https://doi.org/10.1088/1742-6596/1567/2/022011</p> <p>24. <i>New and Renewable Catalyst Based on Electro- Activated Carbon for Hydrogen Generation. IEEE Conference Publication (Scopus-Index) May 2020;</i> https://ieeexplore.ieee.org/document/9102628</p>
<p>Activities in specialist bodies over the last 5 years</p>	<p><i>Organisation Role Period</i></p> <p><i>Membership without a specific role need not be mentioned</i></p>

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Name	Abdul Basid
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>
Academic career	<i>S1 Fisika Universitas Jember 1988 S2 Fisika Institut Teknologi Bandung 1997</i>
Employment	<i>Dosen Fisika Employer: UIN Malang 2002-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Interpretasi waktu turun lailatul qadar berdasarkan analisa data gempa bumi, meteorologi dan geofisika. Biaya: 25,000,000.00</i> <i>2. Pemetaan tingkat resiko kerusakan akibat gempa bumi sebagai strategi mitigasi bencana di seluru wilaya pulau jawa sampai nusa tenggara timur berdasarkan kombinasi data peak ground acceleration, population density dan human development index. Biaya: 55,000,000.00</i> <i>3. Pemetaan Tingkat Resiko Kerusakan Akibat Gempa Bumi Sebagai Strategi Mitigasi Bencana Diseluruh Wilayah Pulau Jawa Sampa Ntt Berdasarkan Kombinasi Data Peak Ground Acceleration, Population Density And Human Development Index. Tahun 2020/2021. Biaya: 55,000,000.00</i>
Industry collaborations over the last 5 years	<i>Project title Partners</i>
Patents and proprietary rights	<i>Title Year</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Mapping The Risk Level of Earthquake Damage in Central Java Based on Data From PGA, PD and HDI. Jurnal Pendidikan Fisika dan Keilmuan (JPFK). 2022 Jun 23;7(2):130-8.</i> <i>2. Peningkatan Kecakapan Ilmiah (Scientific Abilities) Mahasiswa Melalui Model Eksperimen Penerapan (Application Experiments). UPEJ Unnes Physics Education Journal. 2021 Nov 22;10(3):274-82.</i> <i>3. The depth of pressure source and magma supply volume for Merapi eruption during 2009-2011 using the combination of Yokoyama and Mogi model, 1st International Conference on Science and Technology (ICoST).</i> <i>4. Mapping risk levels of earthquake damage as disaster mitigation efforts: case studies in West Java, Central Sulawesi and Lombok, The 9th National Physics Seminar 2020, hal 1-8</i> <i>5. Analysis volcano deformation for determining location of the pressure source, hypocentre and magma supply as disaster mitigation efforts: case studies in Merapi volcano, The 2nd International Conference on Physics and Mathematics for Biological Science (2nd ICOPAMBS) 2020, ser.1832, hal 1-12</i> <i>6. Aplikasi Metode Geolistrik untuk Mengetahui Sebaran Batubara di Kabupaten Tulungagung Jawa Timur. Physics Education Research Journal. 2020 Feb 29;2(1):51-8.</i> <i>7. Improve scientific abilities students through model development testing experiments. Jurnal Neutrino: Jurnal Fisika dan Aplikasinya. 2018 Sep 14;11(1):32-40.</i> <i>8. Interpretation of coal potention using ground penetrating radar (gpr) method. Jurnal Neutrino: Jurnal Fisika dan Aplikasinya. 2017;10(1):23-7.</i>
Activities in specialist bodies over the last 5 years	<i>Organisation Role Period Membership without a specific role need not be mentioned</i>

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Name	Irjan
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>
Academic career	<i>S1 Fisika Universitas Haluoleo 1995</i>
	<i>S2 Fisika Universitas Indonesia 2003</i>
Employment	<i>Dosen Fisika Employer: UIN Malang 2006--now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. <i>Aplikasi Metode Magnetik untuk identifikasi kantong (reservoir) lumpur di bawah permukaan bumi. Biaya: 40,000,000.00</i> 2. <i>Analisis Kerentanan Bahaya Gempa Bumi Tektonik Merusak Berdasarkan Fungsi Atenuasi Zhao. Tahun: 2021/2022. Biaya: 20,000,000.00.</i> 3. <i>Identifikasi sebaran mud volcano dengan menggunakan metode magnetik dan gravity di sekitar semburan lumpur panas kawah kosong Blora. Tahun: 2022/2023. Biaya: 34,000,000.00.</i>
Industry collaborations over the last 5 years	<i>Project title Partners</i>
Patents and proprietary rights	<i>Title Year</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. <i>Tingkat bahaya gempa bumi tektonik signifikan merusak berdasarkan analisis fungsi atenuasi Zhao. (2022).</i> 2. <i>Penyelidikan Prospek Pasir Besi di Dusun Sungai Topo, Desa Sungai Teluk, Kecamatan Sangkapura, Kabupaten Gresik menggunakan Metode Magnetik. Jurnal Fisika Indonesia 22, no. 1: 17-22.</i> 3. <i>Pemetaan Potensi Air-Tanah (Aquifer) Berdasarkan Interpretasi Data Resistivitas Wenner Sounding (Studi Kasus: Pengembangan Kampus II Universitas Islam Negeri Maulana Malik Ibrahim Malang Di Desa Tlekung Kecamatan Junrejo Kota Batu). Jurnal Neutrino: Jurnal Fisika Dan Aplikasinya (2012).</i> 4. <i>Optimalisasi Proses Dan Hasil Pembelajaran Ilmu Pengetahuan Alam (IPA) Pada Sekolah Dasar (SD)/Madrasah Ibtidaiyah (Mi). Madrasah: Jurnal Pendidikan dan Pembelajaran Dasar. 2008;1(1).</i> 5. <i>Mapping of destructive tectonic earthquakes in the West Nusa Tenggara (NTB) region based on the Zhao attenuation function. Jurnal Penelitian Fisika dan Aplikasinya (JPFA) 12, no. 2 (2022): 156-166.</i> 6. <i>Identification of oil sludge bags using geomagnetic methods in the field "x". Jurnal Neutrino: Jurnal Fisika dan Aplikasinya 13, no. 1 (2020): 31-36.</i> 7. <i>Aplikasi metode geolistrik dalam survey potensi hidrothermal (studi kasus: sekitar sumber air panas kasinan pesanggrahan batu). Jurnal neutrino: jurnal fisika dan aplikasinya. 2011.</i> 8. <i>Analisis Percepatan Getaran Tanah Maksimum Wilayah Yogyakarta Dengan Metode Atenuasi Patwardhan." Jurnal Neutrino: Jurnal Fisika dan Aplikasinya (2013).</i> 9. <i>Analisis kerentanan bahaya gempa bumi tektonik merusak berdasarkan fungsi atenuasi Zhao di Nusa Tenggara Timur. Indonesian Journal of Applied Physics 12, no. 2 (2022): 235-241.</i>
Activities in specialist bodies over the last 5 years	<i>Organisation Role Period Membership without a specific role need not be mentioned</i>

Please submit 1 page per person

Name	Farid Samsu Hananto		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>UB Malang</i>	<i>1994-1999</i>
	<i>S2 Teknik Elektro</i>	<i>UB Malang</i>	<i>2008-2011</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2003-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Perlakuan medan magnet untuk meningkatkan produktivitas dan kandungan kurkumin pada tanaman kunyit merah, periode: 1 tahun, biaya: Rp.34.000.000, 2023</i> <i>2. Aplikasi Medan Magnet Extremely Low Frequency (ELF) Untuk Mempercepat Pertumbuhan dan Meningkatkan Buah Tanaman Kedelai (Glycine max L. Merrill), 1 tahun Rp. 35.000.000,-</i> <i>3. Analisis pengaruh beda tegangan dan waktu proses elektrolisis air laut dengan variasi elektroda terhadap produksi gas hydrogen sebagai sumber energy alternative periode 1 tahun, biaya: Rp. 20.000.000, 2021</i> <i>4. Medan magnet untuk pemercepat perkecambahan dan pertumbuhan tanaman (studi kasus pada tomat dan wijen), periode: 1 tahun, biaya: Rp.30.000.000, 2020</i> <i>5. Desain Praktikum Fisika Berbasis Internet untuk Madrasah Aliyah Dalam Rangka adaptasi pendidikan era new normal di kota malang, periode: 1 tahun, biaya: Rp.15.000.000, 2019</i> <i>6. Efek Stimulasi Arus Listrik Terhadap Kontaminasi Bakteri pada Luka Penderita Diabetes, periode: 1 tahun, biaya: Rp.40.000.000, 2019</i> 		
Industry collaborations over the last 5 years	<i>Project title Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Pulse Voltage Electrical Stimulation for Bacterial Inactivation and Wound Healing in Mice with Diabetes; Tirono, M., Hananto, F.S., Abtokhi, A. ; Avicenna Journal of Medical Biotechnology; Volume 14, Issue 1, January-March 2022, Pages 95-101.</i> <i>2. An Effective Dose of Magnetic Field to Increase Sesame Plant Growth and Its Resistance to Fusarium oxysporum Wilt (Mokhamad Tirono, Farid Samsu Hananto, Suhariningsih, Viranita Qurotul Aini) Vol. 16, No. 3, June, 2021, pp. 285-291</i> <i>3. Preliminary study on the effect of time on hydrogen production from electrolysis of the seawater (Conference Paper) (Rustana, C.E., Sunaryo, Salam, I.N., Sugihartono, I., Sasmitaningsihhiadayah, W., Madjid, A.D.R., Hananto, F.S.) Journal of Physics: Conference Series ; Volume 2019, Issue 1, 25 October 2021, Article number 012095</i> <i>4. The effect of voltage and electrode types on hydrogen production from the seawater electrolysis process; Rustana, C.E., Sunaryo, Muchtar, S.J., Sugihartono, I., Sasmitaningsihhiadayah, W., Madjid, A.D.R., Hananto, F.S.; Journal of Physics: Conference Series; Volume 2019, Issue 1, 25 October 2021, Article number 012096;</i> <i>5. Modeling and simulation of the effect of radiotherapy on nasopharyngeal tumor volume with the fourth order Runge-Kutta Method, The International Conference on Engineering, Technology and Social Science (ICONETOS 2020), volume 529, hal 431-439</i> <i>6. Minimum Intensity of Pulsed Electric Field for Deactivation of Staphylococcus aureus, Salmonella sp. and Escherichia coli Bacteria (World Applied Sciences Journal 36 (8): 950-959, 2018) ISSN 1818-4952</i> 		

Activities in specialist bodies over the last 5 years	<p data-bbox="523 210 671 241"><i>Organisation</i></p> <p data-bbox="826 210 879 241"><i>Role</i></p> <p data-bbox="1123 210 1198 241"><i>Period</i></p> <p data-bbox="523 300 1166 331"><i>Membership without a specific role need not be mentioned</i></p>
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Name	Erika Rani		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>Institut Teknologi Sepuluh November</i>	<i>2004</i>
	<i>S2 Fisika</i>	<i>Institut Teknologi Sepuluh November</i>	<i>2008</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2008-now</i>
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. <i>Decoherence and CPT Violation in Neutrino Oscillations. In Proceedings of the Ninth Meeting on CPT and Lorentz Symmetry 2023 (pp. 238-240).</i> 2. <i>Quantum gravitational decoherence in the three neutrino flavor scheme. Physical Review D. 2022 Oct 18;106(8):083013.</i> 3. <i>Quantum Gravitational Decoherence in the 3 Neutrino Flavor Scheme. arXiv preprint arXiv:2208.11754. 2022 Aug 24.</i> 4. <i>Searching new particles at neutrino telescopes with quantum-gravitational decoherence. Physical Review D. 2022 Mar 8;105(5):055007.</i> 5. <i>Medan Elektromagnet terhadap Partikel Dirac dan Klein-Gordon dalam Potensial Penghalang Periodik Satu Dimensi. JPSE (Journal of Physical Science and Engineering). 2020 Jun 15;4(1):8-17.</i> 6. <i>Solusi persamaan Dirac untuk Fermion dengan model potensial penghalang medan elektromagnetik. Jurnal Fisika Flux. 2020;17(2):112-8.</i> 7. <i>Investigation On Physical And Electrical Properties Of The Sio2-Zno Nanocomposite At Different Composition Mixings. Jurnal Neutrino: Jurnal Fisika dan Aplikasinya. 2017;10(1):18-22.</i> 		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Arista Romadani		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>Universitas Gadjah Mada</i>	<i>2013</i>
	<i>S2 Fisika</i>	<i>Universitas Gadjah Mada</i>	<i>2016</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2017-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>Solusi persamaan klein gordon pada lubang hitam schwarzschild Termodifikasi. Biaya: 15,000,000.00</i> <i>Sintesis Dan Karakterisasi Metal Organik Framework (MOF) Lantanum Tartrat Sebagai Material Penyimpan Hidrogen Pada Sistem Otomotif Berbasis Energi Terbarukan. Tahun: 2021/2022. Biaya: 30,000,000.00</i> 		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>Casimir effect of Lorentz-violating charged Dirac in background magnetic field. arXiv preprint arXiv:2307.04448. 2023 Jul 10.</i> <i>Proses difusi relativistik melalui persamaan langevin dan fokker-planck. Jurnal Teknosains. 2022;11(2):101-11.</i> <i>Kruskal-Szekeres coordinates of spherically symmetric solutions in theories of gravity. InJournal of Physics: Conference Series 2021 Feb 1 (Vol. 1816, No. 1, p. 012030). IOP Publishing.</i> <i>Pengaruh Medan Elektromagnet terhadap Partikel Dirac dan Klein-Gordon dalam Potensial Penghalang Periodik Satu Dimensi. JPSE (Journal of Physical Science and Engineering). 2020 Jun 15;4(1):8-17.</i> <i>Solusi persamaan Dirac untuk Fermion dengan model potensial penghalang medan elektromagnetik. Jurnal Fisika Flux. 2020;17(2):112-8.</i> 		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Ahmad Luthfin
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>
Academic career	<i>S1 Fisika Univ Negeri Malang 2009 S2 Fisika UB Malang 2015</i>
Employment	<i>Dosen Fisika Employer: UIN Malang 2019-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> 1. <i>Identifikasi kemenerusan sesar dan potensi reservoir air panas cangar dengan menggunakan metode graviasi.</i> 2. <i>Analisis Kerentanan Bahaya Gempa Bumi tektonik Merusak Berdasarkan Fungsi Athenuasi Zhao di NTT. Biaya: 30.000.000</i> 3. <i>Eksplorasi Penyakit demam berdarah DBD dan pneumonia di kota Malang (kaitan dengan iklim)</i> 4. <i>Pengembangan bahan ajar modul IPS Usaha Peningkatan Hasil Belajar Siswa (Geografi)</i> 5. <i>Mapping Of Destructive tectonic Earthquakes in the west Nusa Tenggara (NTB) Region Based on The zaho Attenuation Function. Biaya: 30.000.000</i> 6. <i>Identification of Cavity Zone under the surface of the badut temple foundation using the GPR method.</i> 7. <i>Identifikasi batuan pondasi candi (andesit) di bawah permukaan sekitar Candi Badut dengan metode geolistrik resistivitas, Biaya: 3.000.000</i> 8. <i>Identification of Fault Continuity and Hot Water Reservoir use Schlumberger Configuration Resistivity Method in Cangar. Biaya: 3.000.000</i> 9. <i>Analisis Kerentanan Bahaya Gempa Bumi Tektonik Merusak Berdasarkan Fungsi Atenuasi Zhao. Tahun: 2021/2022. Biaya: 20,000,000.00</i> 10. <i>identifikasi sebaran mud volcano dengan menggunakan metode magnetik dan gravity di sekitar semburan lumpur panas kawah kosongo Blora. Tahun: 2022/2023. Biaya: 34,000,000.00</i>
Industry collaborations over the last 5 years	<i>Project title Partners</i>
Patents and proprietary rights	<i>Title Year</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. <i>Identifikasi kemenerusan sesar dan potensi reservoir air panas cangar dengan menggunakan metode graviasi (Volume 5 Nomor 1)</i> 2. <i>Analisis Kerentanan Bahaya Gempa Bumi tektonik Merusak Berdasarkan Fungsi Athenuasi Zhao di NTT (Vol. 12 No. 2 halaman 242 tahun 2022)</i> 3. <i>Eksplorasi Penyakit demam berdarah DBD dan pneumonia di kota Malang (kaitan dengan iklim) (Volume 7 No.2 Mei 2022)</i> 4. <i>Pengembangan bahan ajar modul IPS Usaha Peningkatan Hasil Belajar Siswa (Geografi) (Vol 2 No 1 (2022))</i> 5. <i>Mapping Of Destructive tectonic Earthquakes in the west Nusa Tenggara (NTB) Region Based on The zaho Attenuation Function (Vol. 12 No. 2 (2022): Articles in Press. Published: 2022-12-14)</i> 6. <i>Identification of Cavity Zone under the surface of the badut temple foundation using the GPR method (22 April 2021.)</i>

	<p>7. <i>Identifikasi batuan pondasi candi (andesit) di bawah permukaan sekitar Candi Badut dengan metode geolistrik resistivitas, 3.000.000 (Vol 13, No 1 (2020))</i></p> <p>8. <i>Identification of Fault Continuity and Hot Water Reservoir use Schlumberger Configuration Resistivity Method in Cangar 3.000.000</i></p> <p><i>Any other information</i> <i>Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p><i>Organisation Role Period</i></p> <p><i>Membership without a specific role need not be mentioned</i></p>

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Name	Khusnul Yakin		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>Institut Pertanian Bogor</i>	<i>2013</i>
	<i>S2 Fisika</i>	<i>Institut Pertanian Bogor</i>	<i>2014</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2014-now</i>
Research and development projects over the last 5 years	<i>1. Simulasi pengaruh rangsangan mekanik pada batas elastisitas tulang berbasis Finite element method dengan rectangular elements. Biaya: 15,000,000.00</i>		
Industry collaborations over the last 5 years	<i>Project title Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Teori dasar listrik dan rangkaiannya edisi revisi. Cv literasi nusantara abadi; 2021 dec 15.</i> <i>2. Intensity level as sustainable energy: Analysis of the conversion of energy stored on cicadas sound waves. Jurnal Ilmiah Pendidikan Fisika Al-Biruni. 2021 Oct 30;10(2):201-10.</i> <i>3. Modeling and Simulation of the Effect of Radiotherapy on Nasopharyngeal Tumor Volume with the Fourth Order Runge-Kutta Method. InInternational Conference on Engineering, Technology and Social Science (ICONETOS 2020) 2021 Apr 22 (pp. 431-439). Atlantis Press.</i> <i>4. Simulation of the mechanical stimulation effect on the pen junction between bone and pelvic based on finite element methods. Jurnal Neutrino. 2020 Apr 3;12(2):65-70.</i> <i>5. Simulation of mechanical stimulation effect on bone density changes due to age-based finite element method (FEM). InIOP Conference Series: Earth and Environmental Science 2020 Feb 1 (Vol. 456, No. 1, p. 012057). IOP Publishing.</i> <i>6. Influence Of Mechanical Stimulation on Bone Tissue Elasticity With Fem. Jurnal Neutrino: Jurnal Fisika dan Aplikasinya. 2018;11(1):11-20.</i> <p><i>Any other information Publisher, place of publication, date of publication or name of periodical, volume, issue, page numbers</i></p>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Muthmainnah		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>UIN Malang</i>	<i>2008</i>
	<i>S2 Fisika</i>	<i>ITS Surabaya</i>	<i>2010</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2010-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Analisis tingkat keparahan stroke melalui analisis tekstur citra CT-Scan dan nbsp kepala dengan metode gray level run lengh matrix, periode: 1 tahun, biaya: Rp.34.000.000, 2023</i> <i>2. Pengembangan qirbah kulit kelinci unuk meningkatkan kualitas air minum (upaya memasyarakatkan kesunnahan penggunaan qirbah), periode: 1 tahun, biaya: Rp.35.000.000, 2022</i> <i>3. Sintesis dan karakterisasi reduce graphene oxide (rgo) dari limbah bulu ayam sebagai penyimpan energy elektrokimia menggunakan metode chemical exfoliation, periode: 1 tahun, biaya: Rp.30.000.000, 2020</i> <i>4. Sintesis dan karakterisasi keratin dengan variasi temperature aktivasi untuk bahan baterai lithium, periode: 1 tahun, biaya: Rp.40.000.000, 2019</i> 		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Prototipe alat monitoring suhu dan kelembaban pada rumah penyimpan tembakau berbasis IOT, Jurnal Pendidikan MIPA, 2023 , Vol 13, No 1, Hal 177-182.</i> <i>2. Pengaruh wadah penyimpanan terhadap Dissolved Oxygen (Do) dan Total Dissolved Solids (TDS) AIR, Jurnal Pendidikan MIPA, 2022, Vol 12 No 2, hal 999-1003.</i> <i>3. Prototipe alat ukur detak jantung emnggunakan sensor MAX30102 berbasis IoT ESP8266 dan Blynk, JISKA (Jurnal Informatika Sunan Kalijaga), 2022, Vol 7 No 3, hal 163-176</i> <i>4. Analisis Kandungan Minyak Babi Pada Minyak Kanola Melalui Klasifikasi Pola Hidung Elektronik (E-Nose) Berbasis Linear Diskriminan Analysis(LDA), Jurnal Fisika Flux, 2020, Volume 17, Nomor 1. Hal 14-19</i> <i>5. River water classification pattern in Malang city based on electronic tongue for identification of environmental pollution, Journal of Physics: Conf. Series, 2020, ser 1436. hal 1-5</i> <i>6. QCM sensor sensitivity analysis of silver electrodes coated with lipid membrane oleyl alcohol toward NaCl and HCL, Jurnal Neutrino: Jurnal Fisika dan aplikasinya, Vol 9, No.2 2019, hal 66-72</i> <i>7. Principal Component Analysis (PCA) Method for Classification of Beef and Pork Aroma Based on Electronic Nose, Indonesian Journal of Halal Research (IJHAR), 2019, Vol 1, no 1, hal 5-8</i> 		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Wiwis Sasmitaninghidayah		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Pendidikan Fisika</i>	<i>UM</i>	<i>2009</i>
	<i>S2 Fisika</i>	<i>ITS Surabaya</i>	<i>2011</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2013-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Analisis Pengaruh Beda Tegangan Dan Waktu Proses Elektrolisis Air Laut Dengan Variasi Elektroda Terhadap Produksi Gas Hydrogen Sebagai Sumber Energi Alternatif, Periode: 1 tahun, biaya : Rp. 35.000.000, 2022</i> <i>2. Desain sensor cahaya berbasis LSI untuk deteksi dini terhadap beras, periode: 1 tahun, biaya: Rp.12.000.000, 2020</i> <i>3. Desain Praktikum Fisika Berbasis Internet untuk Madrasah Aliyah Dalam Rangka adaptasi pendidikan era new normal di kota malang, periode: 1 tahun, biaya: Rp.15.000.000, 2019</i> <i>4. Aplikasi teknik laser speckle untuk menentukan fenomena biologis terkait kerusakan pada beras, periode: 1 tahun, biaya: Rp.10.000.000, 2019</i> 		
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Analisis Pengaruh Kelembapan Sebagai Salah Satu Faktor Penentu Kualitas Beras Berbasis Gui Matlab, Wahana Fisika, 2021, 6(1), hal 24-35</i> <i>2. Effectiveness of Catching Free Radicals in Cigarette Smoke with Biofilters Made from Bidara Leaf Powder, Jurnal Pendidikan Fisika dan Keilmuan (JPFK), 2021, vol 7, no 1, hal 31-38</i> <i>3. The Effect of Voltage and Electrode Types on Hydrogen Production from The Seawater Electrolysis Process, Journal of Physics: Conference Series,</i> <i>4. Pengaruh Variasi Sudut Datang Dan Sudut Tangkap Cahaya Pada Nilai Kontras Citra Spekel Beras Berbasis Gui Matlab, Komunikasi Fisika Indonesia, 2020, Vol 17, No 3, Hal 120-126</i> <i>5. Pengaruh variasi sudut datang dan sudut tangkap cahaya pada nilai kontras citra spekel beras berbasis GUI Matlab, Komunitas Fisika Indonesia, Edisi November 2020, Vol 17 No. 3 hal 120-126</i> 		
Activities in specialist bodies over the last 5 years	<i>Organisation</i> <i>PSI</i>	<i>Role</i> <i>Member</i>	<i>Period</i> <i>2018-onward</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Utuya Hikmah		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>ITS Surabaya</i>	<i>2007</i>
	<i>S2 Fisika</i>	<i>ITB Bandung</i>	<i>2015</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2018-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Pengembangan metode pembuatan karbon dots (cDs) dari limbah biomassa sebagai material fotokatalis, periode: 1 tahun, biaya: Rp.34.000.000 2023</i> <i>2. Pemanfaatan limbah bulu ayam dalam pembuatan komposit SnO₂-GO/rGO sebagai elektroda pada sel surya tersensitisasi pewarna (dssc), periode: 1 tahun, biaya: Rp.35.000.000 2022</i> <i>3. Medan magnet untuk pemercepat perkecambahan dan pertumbuhan tanaman (studi kasus pada tomat dan wijen), periode: 1 tahun, biaya: Rp.30.000.000, 2021</i> <i>4. Pengembangan sintesis grafena dan nanokomposit Tio₂/reduced graphene oxide serta aplikasinya sebagai fotokatalis, periode: 1 tahun, biaya: Rp.15.000.000, 2019</i> 		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. In-situ sol-gel method of TiO₂-reduced graphene oxide as photocatalyst, Atlantis Press: Advances in engineering research. 2023. pp.72-80</i> <i>2. Lithium-Sulfur Battery: The Review Of Cathode Composite Fabrication Method. International Journal of Scientific & Technology Research. 2020. 9(6):737-741</i> <i>3. The effect of microwave irradiation on reduced graphene oxide from coconut shells, IOP Conf. Series: Earth and Environmental Science 456 (2020), hal 1-5</i> <i>4. The effect of microwave duty cycle on the electrical conductivity of reduced graphene oxide (rGO). Journal of Physics Conference Series. 2019. 1204(1):012076 (DOI: 10.1088/1742-6596/1204/1/012076)</i> 		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>DOAJ</i>	<i>Associate Editor</i>	<i>2022-present</i>

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Name	Rusli
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>
Academic career	<i>S1 Fisika UIN Malang 20010</i> <i>S2 Fisika UB 2012</i>
Employment	<i>Dosen Fisika Employer: UIN Malang 2013-now</i>
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <i>1. Pemetaan Daerah Terdampak Bencana Tsunami Di Sepanjang Pesisir Selatan Dan Barat Pulau Jawa Dari Sumber Gempa Megathrust Menggunakan Sisteminformasi Geografis Sebagai Upaya Mitigasi Bencana. Periode 1 Tahun, Biaya 50.000.000, 2023</i> <i>2. Pengembangan Riset Based Learning dengan Pendekatan Science Teknologi Engineering Mathematic (Stem) Education Untuk Meningkatkan Abilities Mahasiswa Dalam Upaya Mitigasi Bencana. Periode: 1 tahun, biaya 50.000.000, 2022</i> <i>3. Pemetaan Tingkat Resiko Kerusakan Akibat Gempa Bumi Sebagai Strategi Mitigasi Bencana Diseluruh Wilayah Pulau Jawa Sampa Ntt Berdasarkan Kombinasi Data Peak Ground Acceleration, Population Density And Human Development Index, periode: 1 tahun, biaya: Rp.55.000.000, 2021</i> <i>4. Aplikasi Metode Geomagnetik dan Geolistrik untuk memetakan struktur bawah permukaan situs arkeologi pemandian ngawonggo kejamatan tajinan Malang jawa timur, periode: 1 tahun, biaya: Rp.12.000.000, 2020</i> <i>5. interpretasi waktu turun lailatul qadar berdasarkan analisa data gempa bumi, meteorologi dan geofisika, periode: 1 tahun, biaya: Rp.25.000.000, 2020</i>
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>
Patents and proprietary rights	<i>Title</i> <i>Year</i>
Important publications over the last 5 years	<ol style="list-style-type: none"> <i>1. Pemetaan Tingkat Resiko Kerusakan Akibat Gempa Bumi pada Sekolah Dasar dan Madrasah Ibtidaiyah se-Malang Raya Menggunakan Aplikasi Sistem Informasi Geografis. Jurnal Pendidikan Ilmu Pengetahuan Sosial, Juli 2019, Hal: 1-9</i> <i>2. Aplikasi Metode Geolistrik untuk Mengetahui Sebaran Batubara di Kabupaten Tulungagung Jawa Timur. Physics Education Research Journal Vol. 2 No. 1 (2020), Hal: 51-57</i> <i>3. Interpretation of Laylatulqadr Time by Analyzing Earthquake Data. IOP Conference Series Earth and Environmental Science. April, 2020, Hal 1-5</i> <i>4. Mapping the Risk Level of Earthquake Damage in Central Java Based on Data from PGA, PD and HDI. Jurnal Pendidikan Fisika dan Keilmuan. 2021, Hal: 130-138.</i> <i>5. Determination Dawn of Shadiq in Masalembu Island by Using Image Processing Sobel Edge Detection Technique, Proceeding of The 10th International Conference on Theoretical and Applied Physics (ICTAP2020), 2021, Hal. 57-66</i> <i>6. Adam and Eve's Wifiq: From Mathematics to Transformation Practice, Advances in Social Science, Education and Humanities Research, volume 644 International Symposium on Religious Literature and Heritage (ISLAGE 2021), 2022, Atlantic Press, Hal 335-340</i> <i>7. Image Processing Application to Know the Dawn of Shadiq Using Matlab Software, Advances in Social Science, Education and Humanities Research, Proceedings of the International Conference on Engineering,</i>

	<p><i>Technology and Social Science, Atlantis Press, Hal 777-781</i></p> <p>8. <i>Aplied Resistivity Method to Investigate Ngawonggo Archaeology Subsurface at Malang Indonesia. Proceeding of International Conference on Language, Literature and Media (AICOLLIM 2022), Maret 2023. Atlantis Press. Hal 618-625</i></p> <p>9. <i>Qaryah Thayyibah Program Melalui Sosialisasi Pengurangan Dampak Ancaman Meteorologis pada Masyarakat Nelayan Kepulauan Masalembu. Journal of Research on Community Engagement. Maret 2023, Hal: 82-86.</i></p>															
<p>Activities in specialist bodies over the last 5 years</p>	<table border="0"> <tr> <td><i>Lembaga Falakiyah Nahdlatul Ulama (LFNU) Himpunan Ahli Geofisika Indonesia (HAGI) komwil Malang</i></td> <td><i>Wakil Ketua</i></td> <td><i>2021-2025</i></td> </tr> <tr> <td><i>Ikatan Ahli Kebencanaan Indonesia (IABI) Komwil Jawa Timur</i></td> <td><i>Divisi Acara dan Kursus</i></td> <td><i>2022-2024</i></td> </tr> <tr> <td><i>Physical Society of Indonesia (PSI)</i></td> <td><i>Divisi Kekeringan</i></td> <td><i>2022-2024</i></td> </tr> <tr> <td><i>Asosiasi Penyelenggara Pendidikan Geofisika Indonesia (APPGI)</i></td> <td><i>Member</i></td> <td><i>2021-sekarang</i></td> </tr> <tr> <td></td> <td><i>Komisi Akreditasi dan Prodi Baru</i></td> <td><i>2022-2024</i></td> </tr> </table>	<i>Lembaga Falakiyah Nahdlatul Ulama (LFNU) Himpunan Ahli Geofisika Indonesia (HAGI) komwil Malang</i>	<i>Wakil Ketua</i>	<i>2021-2025</i>	<i>Ikatan Ahli Kebencanaan Indonesia (IABI) Komwil Jawa Timur</i>	<i>Divisi Acara dan Kursus</i>	<i>2022-2024</i>	<i>Physical Society of Indonesia (PSI)</i>	<i>Divisi Kekeringan</i>	<i>2022-2024</i>	<i>Asosiasi Penyelenggara Pendidikan Geofisika Indonesia (APPGI)</i>	<i>Member</i>	<i>2021-sekarang</i>		<i>Komisi Akreditasi dan Prodi Baru</i>	<i>2022-2024</i>
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	<i>Komisi Akreditasi dan Prodi Baru</i>	<i>2022-2024</i>														

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Name	Naqibatn Nadliriyah		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>Institut Teknologi Sepuluh Nopember</i>	<i>2014</i>
	<i>S2 Fisika</i>	<i>Institut Teknologi Sepuluh Nopember</i>	<i>2018</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2019-now</i>
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	1. PANi/ZrO ₂ -composite coating for corrosion protection in 3.5 M NaCl solution. In IOP Conference Series: Materials Science and Engineering 2019 Mar 1 (Vol. 496, No. 1, p. 012059). IOP Publishing.		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		

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Name	Fikriyatul Azizah Su'ud		
Post	<i>Program Studi Fisika Fakultas Sains dan Teknologi UIN Maulana Malik Ibrahim Malang</i>		
Academic career	<i>S1 Fisika</i>	<i>ITS Surabaya</i>	<i>2011</i>
	<i>S2 Fisika</i>	<i>ITS Surabaya</i>	<i>2016</i>
Employment	<i>Dosen Fisika</i>	<i>Employer: UIN Malang</i>	<i>2020-now</i>
Research and development projects over the last 5 years			
Industry collaborations over the last 5 years	<i>Project title</i> <i>Partners</i>		
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
Important publications over the last 5 years	<i>1. Phase Analysis And Physical Properties Of B2o3-Added Zircon Ceramics Sintered at 1300° C. Jurnal Neutrino: Jurnal Fisika dan Aplikasinya 14 (1), 1-5</i>		
Activities in specialist bodies over the last 5 years	<i>Organisation</i>	<i>Role</i>	<i>Period</i>
	<i>Membership without a specific role need not be mentioned</i>		