**Lampiran 5. Biodata Ketua dan Anggota Tim Pelaksana**

1. **Biodata Ketua Tim Pelaksana**

**A. Identitas Diri**

|  |  |  |
| --- | --- | --- |
| 1 | Nama Lengkap | Dr. Sudarti, M.Kes |
| 2 | Jenis Kelamin | P |
| 3 | Jabatan Fungsional | Lektor Kepala |
| 4 | NIP/NIK/Identitas Lainnya | 19620123 198802 2 001 / 0023016203 |
| 5 | NIDN | 0023016203 |
| 6 | Tempat dan Tanggal Lahir | Banyuwangi, 23 Januari 1962 |
| 7 | E-mail | sudarti\_lpm@yahoo.co.id |
| 8 | Nomor HP | 085257979311 |
| 9 | Alamat Kantor | Jalan Kalimantan III Nomor 37 Kampus Bumi Tegalboto Jember 68121 |
| 10 | Nomor Telepon/Faks | Telepon: 0331- 334988, 330738 Faks: 0331-334988 |
| 11 | Lulusan yang Telah Dihasilkan | S-1 = 5 orang, S-2 = - orang, S-3 = - orang |
| 12 | Mata Kuliah yang Diampu | Statistika DasarMetodologi PenelitianBiofisikaFisika TerapanFisika RadiasiFisika LingkunganPendidikan Lingkungan Hidup |

**B. Riwayat Pendidikan**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **S-1** | **S-2** | **S-3** |
| Nama Perguruan Tinggi | IKIP Negeri Surabaya | UNAIR Surabaya | UNAIR Surabaya |
| Bidang Ilmu | Fisika | Fisika Lingkungan – Kesehatan Lingkungan | Fisika Kesehatan – Ilmu Kedokteran |
| Tahun Masuk-Lulus | 1981 – 1987 | 1995 – 1998 | 1999-2004 |
| Judul Skripsi /Tesis /Disertasi | Pengaruh Sistem Seleksi Danem Terhadap Prestasi Belajar Siswa pada Mata Pelajaran Fisika di Beberapa SMA Negeri Kotamadya Surabaya  | Pengaruh Medan Listrik dan Medan Magnet Oleh SUTET-500 kV Terhadap Status Kesehatan Masyarakat | Pengaruh Paparan Medan Magnet Extrtemely Low Frequency (ELF) dengan Intensitas 20-32 uT Terhadap Modulasi Imunitas pada Mencit BALB/C |
| Nama Pembimbing /Promotor | Drs.Bidionono | dr.H.Fuad Amsyari,MPH., PhD | Prof.Dr.Pitono Soeparto,dr.,SpAk(K) |

1. **Pengalaman Penelitian dalam 5 Tahun Terakhir**

(Bukan Skripsi, Tesis dan Disertasi)

|  |  |  |  |
| --- | --- | --- | --- |
| No | Tahun | Judul Penelitian | Pendanaan |
| Sumber | Jumlah (Juta Rp) |
| 1 | 2019 | Optimalisasi Proses Permentasi Biji Kakao dengan Radiasi Medan Magnet *Extremely low Frequency* (ELF) untuk Meningkatkan Kualitas Citarasa  | IDB | 40.000.000 |
| 2 | 2019 | Optimalisasi Proses Fermentasi Kopi Luwak Melalui Pemanfaatan Radiasi Medan Magnet Extremely Low Frequency (ELF) | KERIS | 27.500.000 |
| 3 | 2018 | Identifikasi Intensitas Radiasi Medan Listrik dan Medan Magnet *Extremely Low Frequency* (ELF) pada *ELF-sources* dalam Upaya Meningkatkan Kinerja Kelompok Riset *Wave and Electromagnetics (WavEl)* | KERIS | 30.000.000 |
| 4 | 2016 | Pengaruh Medan Magnet ELF Terhadap Kualitas Cream Cheese | DRPM | 34.500.000 |

1. **Pengalaman Pengabdian kepada Masyarakat dalam 5 Tahun Terakhir**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Tahun | Judul Penelitian Kepada Masyarakat | Pendanaan |
| Sumber | Jumlah (Juta Rp) |
| 1 | 2020 | Pelatihan Penilaian Portofolio Berbasis Online pada Guru di SMAN 3 Jember | PDS | 3.500.000 |
| 2 | 2019 | Pelatihan Pembelajaran Berbasis Online pada Guru di SMAN Purwoharjo Banyuwangi | Mandiri | 5.000.000 |
| 3 | 2018 | Pelatihan Bisnis On Line Bagi Generasi Muda di Kab.Jember | Mandiri | 3.000.000,- |
| 4 | 2017 | Penyuluhan dan Layanan Konsultasi Tentang Kesehatan Reproduksi” | Mandiri | 3.000.000,- |
| 5 | 2016 | Pelatihan Life Skills Bagi Anak Yatim Piatu di Posdaya Keluarga Mandiri  | Mandiri | 3.000.000,- |

**E. Publikasi Artikel Ilmiah dalam Jurnal dalam 5 Tahun Terakhir**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tahun** | **Judul** | **Nama Jurnal** | **Vol.No.Tahun** |
| 2020 | Optimizing lactobacillus growth in the fermentation process of artificial civet coffee using extremely- low frequency (ELF) magnetic field | Journal of Physics: Conference Series  | 1465 (2020) 012010IOP Publishing doi:10.1088/1742-6596/1465/1/012010 |
| 2020 | A potency of ELF magnetic field utilization to the process of milkfish preservation (chanos chanos) | Journal of Physics: Conference Series   | 1465 (2020) 012005IOP Publishing doi:10.1088/1742-6596/1465/1/0120051 |
| 2020 | The analysis of creative thinking skills of junior high school students in learning natural science on environmental pollution materials with different academic skills | Journal of Physics: Conference Series  | 1465 (2020) 012032IOP Publishing doi:10.1088/1742-6596/1465/1/012032 |
| 2020 | HOTS student worksheet to identification of scientific creativity skill, critical thinking skill and creative thinking skill in physics learning | Journal of Physics: Conference Series  | 1465 (2020) 012075IOP Publishing doi:10.1088/1742-6596/1465/1/012075 |
| 2019 | Radiation Potential of Extremely Low Frequency (ELF) Magnetic Field to Increase Tobacco Production | International Journal of Engineering and Technology (IJET) | Vol 10 No 6 Dec 2018-Jan 2019 |
| 2019 | Van der Waals interaction of ground state energy on ion molecular Hidrogen H2+ | *Seminar Nasional Fisika (SNF) 2018 IOP Conf. Series: Journal of Physics: Conf. Series 1171 (2019) 012014* | J. Phys.: Conf. Ser. 1171 0120142019 |
| 2018 | Effective dose analysis of extremely low frequency (ELF) magnetic field exposure to growth of S. termophilus, L. lactis, L. acidophilus bacteria | IOP Conference Series: Materials Science and Engineering | IOP Conf. Ser.: Mater. Sci. Eng. 432 (2018) 012010 |
| 2018 | Analysis of UV-B Absorption by Fiber Plastic/Glass with Various Colors using UV-VIS *Spectrometer* | International Journal of Advanced Engineering Research and Science (IJAERS)  | [Vol-5, Issue-11, Nov- 2018] |
| 2018 | The Analysis of Extremely Low Frequency (ELF) Electric and Magnetic Field Exposure Biological Effects around Medical Equipments | International Journal of Advanced Engineering Research and Science (IJAERS) | [Vol-5, Issue-7, July- 2018] |
| 2017 | Analysis of Extremely Low Frequency (ELF) Magnetic Field Effect to Oyster Mushroom Productivity | International Journal of Advanced Engineering Research and Science (IJAERS)  | [Vol-4, Issue-10, Oct- 2017] |
| 2017 | DEVELOPING SCIENCE PROCESS SKILLS AND PROBLEMSOLVING ABILITIES BASED ON OUTDOOR LEARNING IN JUNIOR HIGH SCHOOL | Jurnal Pendidikan IPA Indonesia | JPII 6 (1) (2017) 165-169 |
| 2017 | PENGARUH PAPARAN MEDAN MAGNET EXTREMELY LOW FREQUENCY (ELF) TERHADAP pH SUSU FERMENTASI | ProsidingSEMINAR NASIONAL PENDIDIKAN FISIKA 2017 | ISSN : 2527 – 5917, Vol.22017 |
| 2017 | Analisis Dampak Paparan Medan Magnet *Extremely Low Frequency* (ELF) pada Biji Cabai Merah Besar (*Capsicum annum.L*) terhadap Pertumbuhan Tanaman Cabai Merah Besar | Jurnal Pembelajaran Fisika | Vol. 5 No. 4, Maret 2017, hal 370 - 377 |
| 2017 | Pengaruh Induksi Medan Magnet *Extremely Low Frequency* (ELF) terhadap Pertumbuhan PIN *HEAT* Jamur Kuping (*Auricularia auricula)* | Jurnal Pembelajaran Fisika,  | Vol 6 No. 2, Juni 2017, hal 181-188 |
| 2016 | The Influence of Extremely Low Frequency (ELF) Magnetic Field Exposure on The Process of Making Cream Cheese | Proceeding The 1st IBSC: Towards The Extended Use Of Basic Science For Enhancing Health, Environment, Energy And Biotechnology  | ISBN: 978-602-60569-5-52016 |
| 2016 | Utilization of Extremely Low Frequency (ELF) Magnetic Field is as Alternative Sterilization of Salmonella typhimurium In Gado-Gado | Agriculture and Agricultural Science Procedia  | :9 ( 2016 ) 317 – 322 |

1. **Pemakalah Seminar Ilmiah (*Oral Presentation*) dalam 5 Tahun Terakhir**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Nama Temu Ilmiah/Seminar | Judul  | Waktu dan Tempat |
| 2019 | ICOPAMBS 2019FKIP UNIVERSITY OF JEMBER | The Effect of Extremely Low Frequency (ELF) Magnetic Fields on the Breeding on Lactobacillus Bacteria and pH in the Fermentation Process of Artificial Luwak Coffee | 31 Agust- 1 Sepet 2019 |
| 2019 | ICOPAMBS 2019FKIP UNIVERSITY OF JEMBER | Title : The Utilization Potential Of Elf Magnetic Fields Radiation For Preservation On Milkfish (Chanos chanos) | 31 Agust- 1 Sepet 2019 |
| 2017 | International Conference onMRS INA | Effective dose analysis of extremely low frequency (ELF) magnetic field exposure to growth of S. termophilus, L. lactis, L. acidophilus bacteria | 8-12 Okt 2017 BATAN Jogyakarta |
| 2017 | International Conference onICONSED | ANALYZE OF EXTREMELY LOW FREQUENCY (ELF) MAGNETIC FIELD AROUND | 25 Mei 2017FKIP Universitas |
| 2016 | The 1st IBSC: Towards The Extended Use Of Basic Science For Enhancing Health, Environment, Energy And Biotechnology | The Influence of Extremely Low Frequency (ELF) Magnetic Field Exposure on The Process of Making Cream Cheese | 26-27 September 2016Universitas |

1. **Karya Buku dala, 5 Tahun Terakhir**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Judul Buku** | **Tahun** | **Jumlh Hal** | **Penerbit** |
| 1 | Englis For Physics | 2019 | 145 | Jember University Press |
| 2 | Fisika Radiasi  | 2020 | 150 | Jember University Press |
| 3 | Hk Newton Tentang Gerak dan Gravitasi Berbasis Augmented Reality | 2020 | 35 | Jember University Press |

1. **Perolehan HKI dalaaam 10 Tahun Terakhir**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Judul HKI | Thun | Jenis | Nomor P/ID |
|  |  |  |  |  |
|  |  |  |  |  |

1. **Pengalaman Merumuskan Kebijakan Publik/Rekayasa Sosial Lainnya dalam 10 Tahun Terakhir**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Jenis Rekayasa Sosial  | Tahun | Tempat Penerapan | Respon Masyarakat |
| 1 | Penerapan KKMT-Posdaya bagi Mahasiswa FKIP Univ.Jembee | 2015 - Sekarang | SD, SMP, SMA di Kab,Jember | Bagus |

1. **Penghargaan dalam 10 Tahun Terakhir**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Jenis Penghargaan | Institusi Pemberi Penghargaan | Tahun |
| 1 | Satya Lancana Karya Satya XX Tahun | Presiden RI | 2013 |
| 2 | Satya Lancana Karya Satya XXX Tahun | Presiden RI | 2018 |

Semua data yang saya isikan dan tercantum dalam biodata ini adalah benar dan dapat dipertanggungjawabkan secara hukum. Apabila di kemudian hari ternyata dijumpai ketidaksesuaian dengan kenyataan, saya sanggup menerima sanksi.

Demikian biodata ini saya buat dengan sebenarnya untuk memenuhi salah satu persyaratan dalam pengajuan Penugasan Penelitian Penelitian Mendukung Program IDB Tahun 2020.

Jember, 25 Maret 2020

Ketua Pengusul,

Dr.Sudarti,M.Kes

**2. Biodata Anggota 1**

**3. Biodata Anggota 2**

**Lampiran 6.** Surat Pernyataan Ketua Peneliti