

No	Manuscript Number	Title	Name	Affiliation	Present	Full Paper
1	AM001	FABRICATION AND CHARACTERIZATION OF PHANTOM BASED ON GELATIN-GLICERYN-TiO ₂ AS MAMMAE SIMULATION TISSUE	Dyah Hikmawati	Unair	V	
2	AM002	APPLICATION OF FERRITE MATERIAL ON HIGH FREQUENCY TRANSFORMER CORE FOR POWER CONVERTER PARALLELIZATION	Muhammad Imran Hamid	Andalas University		
3	AM003	HYDROXYAPATITE COATING ON COBALT ALLOYS BY USING ELECTROPHORETIC DEPOSITION METHOD	Aminatun	Unair	V	V
4	AM004	The effectiveness of laser diode induction to Carica papaya L. chlorophyll extract to be ROS generating in the photodynamic inactivation mechanisms for C.albicans biofilms	Sri Dewi Astuty	S3 MIPA Unair	V	V
5	AM005	STUDY SYNTHESIS NANOCHLOROPHYLL ELEOCHARIS DULCIS WITH MECHANICAL METHOD FOR PHOTSENSITIZER EKSOGEN ORGANIC	Totok Wianto	S3 MIPA Unair	V	V
6	AM006	PREPARATION OF ACTIVED CARBON FROM CIGARETTE FILTERS WASTE BY MICROWAVE-INDUCED KOH ACTIVATION	Yanuar Hamzah	Universitas Riau	V	V
7	AM007	SYNTHESIS AND CHARACTERIZATION OF BREAST PHANTOM BASED ON GELATIN-GLUTARALDEHID-TiO ₂ AS TESTING MATERIAL FOR BREAST CANCER DIAGNOSIS APPLICATIONS	Nuril Ukhrowiyah	Unair	V	
8	AM008	COLLAGEN- CHITOSAN- GLYCEROL BIOCOMPOSITE AS ARTIFICIAL TYMPANIC MEMBRANE FOR RUPTURED INNER EAR ORGAN	Prihartini Widiyanti	Unair	V	
9	AM009	A RECENT DEVELOPMENT AND APPLICATIONS OF PLASTIC FIBER OPTIC DISPLACEMENT SENSORS	Moh Yasin	Unair		
10	AM010	EFFECTS OF HYPERBARIC OXYGEN THERAPY IN ENHANCING EXPRESSIONS OF eNOS, TNF- α AND VEGF IN WOUND HEALING	Anita Devi	Unair	V	V
11	AM011	THE SYNTHESIS AND CHARACTERIZATION OF BACTERIAL CELLULOSE WITH THE ADDITION OF GARCINIA MANGOSTANA EXTRACT AS BIOFILM CANDIDATE OF ANTI BREAST CANCER	Agrippina W. Rahmaning Gusti	Unair	V	
12	AM012	A FIRST-PRINCIPLES STUDY ON THE STABILITY OF TRANS-HCOH IN VARIOUS SOLVENTS	Rizka Fadilla	Unair	V	V
13	AM013	Physical Characteristics of Injectable Bone Substitute Paste Based on Hydroxyapatitefor Spinal Tuberculosis	Aniek Setiya Budiatin	Unair	V	V
14	AM014	REVIEW OF NONLINEAR MATERIALS IN OPTICS AND PHOTONICS FOR QUANTUM COMPUTER	Nur Abdillah Siddiq	ITS	V	V
15	AM015	DETECTION OF L-CYSTEINE USING SILVER NANOPARTICLES	Reza Diharja	UI	V	V
16	AM016	ANALYSIS OF THIN LAYER OPTICAL PROPERTIES OF A-SI:H P-TYPE DOPING CH4 AND P-TYPE WITHOUT CH4 IS DEPOSITED PECVD SYSTEMS	Soni Prayogi	ITS	V	V

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17	AM017	ANGLE AS POWER DIVIDER IN THE ASYMMETRIC Y-BRANCH OPTICAL WAVEGUIDE CONSISTING OF NONLINEAR MATERIAL	Jhelang Annovasho	ITS		
18	AM018	FE ₃ O ₄ BASED ON LATERITE IRON ROCK AS MICROWAVE ABSORBER MATERIAL	Linda Silvia	ITS	V	V
19	AM019	THE EFFECT OF NaOH CONCETRATION AT SYNTHESIS OF MOLECULAR SIEVE FROM PHYROPHYLITE TOWARD Al/Si RATIO, CRYSTAL STRUCTURE, AND POROSITY	Abdulloh Fuad	UM	V	V
20	AM020	Detection of Organic Solvent Vapor Using Polymer Coated Chemocapacitor Sensor	Apik Rusdiarna Indrapraja	ITS	V	V
21	AM021	OPTIMIZATION OF ENERGY DOSE RED He-Ne LASER FOR PHOTODYNAMIC THERAPY CANCER CELLS WITH VARIATION OF EXOGENOUS PHOTSENSITIZER	Retna Apsari	Unair	V	V
22	AM022	THE EFFECT OF TiO ₂ THIN FILM THICKNESS ON SELF CLEANING GLASS PROPERTIES	Nandang Mufti	UM	V	V
23	AM023	HYALURONIC ACID (HA)-POLYETHYLENEGLYCOL (PEG) AS INJECTABLE HYDROGEL FOR INTERVERTEBRAL DISC DEGENERATION PATIENTS THERAPY	Cityta Putri Kwarta	Unair	V	
24	AM024	THE EFFECT OF NAOH CONCENTRATION AT SYNTHETIC OF MOLECULAR SIEVE FROM PHYROPHYLITE TOWARD Al/Si RATIO, CRYSTAL STRUCTURE, AND POROSITY	Riris Idiawati	UM	V	V
25	AM025	AN IN VIVO PHOTODYNAMIC THERAPY WITH DIODE LASER TO CELL ACTIVATION OF KIDNEY DISFUNCTION	Suryani Dyah Astuti	Unair	V	V
26	AM026	ANTIMICROBIAL EFFECT OF Pleomele angustifolia FEOFITIN A ACTIVATE WITH DIODE LASER TO Streptococcus mutans	Sinari Alfat Sunarko	Unair	V	V
27	AM027	EFFECTIVITY OF DIODE LASER PHOTOSTIMULATION TO REPAIR DAMAGE OF HEART CELLS DISFUNCTION AN IN VIVO STUDY	Dwi Winarni	Unair	V	
28	AM028	THE EFFECT OF CALCINATION TEMPERATUR INCREASED AND POLYMETHYL METHACRYLATE ADDED TO MEMBRANE PORE CHARACTERISTICS OF BIOCERAMIC TITANIUM DIOXIDE	Jan Ady	Unair	V	V
29	AM029	FABRICATION AND CHARACTERIZATION OF ZINC OXIDE (ZnO) NANOPARTICLE BY SOL-GEL METHOD	Siswanto	Unair	V	
30	AM030	SYNTHESIS AND CHARACTERIZATION OF HYDROGEL CHITOSAN-ALGINATE WITH THE ADDITION OF PLASTICIZER LAURIC ACID FOR WOUND DRESSING APPLICATION	Djony Izak Rudyardjo	Unair	V	V

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31	AM031	IMPLEMENTATION OF DENSITY FUNCTIONAL THEORY METHOD ON OBJECT ORIENTED PROGRAMMING (C++) TO CALCULATE ENERGY BAND STRUCTURE USING THE PROJECTOR AUGMENTED WAVE (PAW)	Enggar Alfianto	ITATS	V	V
32	AM032	STUDY ON CONVENTIONAL CARBON CHARACTERISTICS AS COUNTER ELECTRODE FOR DYE SENSITIZED SOLAR CELLSV	Muhammad Noer Fajar	ITS	V	V
33	AM033	THE LIGHT INTENSITY DIELECTRIC CONSTANT OF Cr ₂ O ₃ DOPED SiO ₂ - Bi ₂ O ₃ -Bi ₂ O ₃ -Na ₂ CO ₃ GLASS BASED	Markus Diantoro	UM	V	V
34	AM034	FOLATE RECEPTOR MEDIATED IN VIVO TARGETED DELIVERY OH HUMAN SERUM ALBUMIN COATED MANGANASE FERRITE MAGNETIC NANOPARTICLES TO CANCER CELLS	F.Bintang Ilhami	Unair	V	
35	AM035	EFFECT OF TEMPERATURE ON THE CORROSION INHIBITION OF IRON IN LIQUID LEAD USING OXYGEN INHIBITOR STUDIED BY MD SIMULATION	Artoto Arkundato	University of Jember	V	V
36	AM036	Microstructure and Dielectricity of Cellulose Acetate-ZnO/ITO Composite Films Based on Water Hyacinth	Markus Diantoro	UM	V	V
37	IP001	MODELING OF ELECTRICAL IMPEDANCE TOMOGRAPHY TO DETECT BREAST CANCER BY FINITE VOLUME METHODS	Khusnul Ain	Unair	V	V
38	IP002	SYNTHETIC VIDEO MOTION USING MOTOR SLIDER STABILIZER	Setya Chendra Wibawa	Unesa		
39	IP003	DUAL FREQUENCY ELECTRICAL IMPEDANCE TOMOGRAPHY TO OBTAIN FUNCTIONAL IMAGE	Imam Sapuan	Unair	V	V
40	IP004	DEVELOPMENT OF SIGNAL ACQUISITION MODULE FOR ACTIVE POWER CONDITIONER WORKING IN RENEWABLE SOURCE POWER PLANT	Muhammad Imran Hamid	Andalas University		
41	IP005	IOT REALTIME DATA ACQUISITION USING MQTT PROTOCOL	Rachmad Andri Atmoko	Politeknik Perkapalan Negeri Surabaya	V	V
42	IP006	SIMULATION OF LEAKAGE CURRENT MEASUREMENT ON MEDICAL DEVICES USING HELMHOLTZ COIL CONFIGURATION WITH DIFFERENT CURRENT FLOW	Erwin Sutanto	Unair	V	V
43	IP007	FABRICATIONS AND SIMULATION OF TAPERED OPTICAL FIBER FOR REFRACTIVE INDEX SENSOR	Nina Siti Aminah	ITB	V	
44	IP008	COMPARISON OF METHODS TO IMPROVE MAMMOGRAM IMAGE QUALITY	Hanifah Rahmi Fajrin	Univ. Muhammadiyah Yogyakarta		
45	IP009	DEVELOPMENT OF TGS2611 METHANE SENSOR AND SHT11 HUMIDITY AND TEMPERATURE SENSOR FOR MEASURING GREENHOUSE GAS ON PEATLAND IN SOUTH KALIMANTAN, INDONESIA	Iwan Sugriwan	Universitas Lambung Mangkurat	V	V
46	IP010	DEVELOPMENT OF OZONE STERILIZATION SYSTEM BASED MICROCONTROLLER FOR E. COLI BACTERIA STERILIZATION	Arfan Eko Fahrudin	Universitas Lambung Mangkurat	V	V

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47	IP011	CHOLESTEROL DETECTION USING OPTICAL FIBER SENSOR BASED ON INTENSITY MODULATION	Mohammad Budiyanto	S3 MIPA Unair	V	V
48	IP012	IIR DIGITAL FILTER DESIGN FOR POWERLINE NOISE CANCELLATION OF ECG SIGNAL USING ARDUINO PLATFORM	Akif Rahmatillah	Unair	V	V
49	IP013	DEVELOPMENT OF WIRELESS SENSOR NETWORK FOR LANDSLIDE MONITORING SYSTEM	Prabowo Puranto	LIPI	V	V
50	IP014	DETECTION ACUTE LYMPHOCYTE LEUKEMIA USING K-NEAREST NEIGHBOR ALGORITHM BASED ON SHAPE AND HISTOGRAM FEATURES	Endah Purwanti	Unair	V	V
51	IP015	COLOR SEGMENTATION OF MULTI VARIANTS TUBERCULOSIS SPUTUM IMAGES USING SELF ORGANIZING MAP	Riries Rulaningtyas	Unair	V	V
52	IP016	DOSE EVALUATION OF ORGANS AT RISK (OAR) CERVICAL CANCER USING DOSE VOLUME HISTOGRAM (DVH) ON BRACHYTHERAPY	R.Arif Wibowo	Unair	V	V
53	IP017	EFFECT OF WINDOW LENGTH ON PERFORMANCE OF THE ELBOW-JOINT ANGLE PREDICTION BASED ON ELECTROMYOGRAPHY	Triwiyanto	UGM	V	V
54	IP018	CONFOCAL MICROSCOPY IS ABLE TO DETECT CALCIUM METABOLIC IN NEURON INFECTION BY TAXOPLASMA GONDII	Anggraini Sensusiati	Unair	V	
55	IP019	DATA ACQUISITION SYSTEM DESIGN BASED ARDUINO FOR IDENTIFYING SIGNAL CHARACTERISTICS OF LUNG SOUNDS AND HEART SOUNDS	Niera P Kurniasih	Unair		
56	IP020	PERFORMANCE WEIGHT SENSOR USING GRADED INDEX OPTICAL FIBER ON STATIC AND DYNAMIC TEST.	Rini K.Ula	Indonesian Institute of Sciences	V	V
57	IP021	OSTEOPOROSIS DETECTION BASED ON CT-SCAN IMAGE USING ARTIFICIAL NEURAL NETWORK	Maliatul Fitriyasari	Unair		
58	IP022	INVESTIGATION OF MICHELSON INTERFEROMETER FOR VOLATILE ORGANIC COMPOUND SENSOR	Marzuarman	ITS	V	V
59	IP023	DIGITAL LOCK-IN AMPLIFIER DESIGN FOR LOW CONCENTRATION GAS SENSOR	Handi Rahmannuri	ITS		
60	IP024	THE TRANSFORMATION OF EQUATION OF THE CHARACTERISTIC CURVES TO WIDEN THE WORKING AREA OF THE HALL EFFECT SENSOR	Dudi Darmawan	Telkom University	V	V
61	IP025	DESIGN OF VEIN FINDER WITH MULTI TUNING WAVELENGTH USING RGB LED	Franky Chandra	Unair	V	V
62	IP026	Optimalization Image of Magnetic Resonance Imaging (MRI) Ankle T2 Fast Spin Echo (FSE) with Variation Echo Train Length on the ruptur tenosequense on achilles case	Akhmad Muzamil	Unair	V	
63	IP027	OPTIMISING OF NUMBER EXITATION (NEX) TO SIGNAL-TO-NOISE RATIO (SNR) AND TIME SCANNING VELOCITY ON MRI SCANNING	Suhariningsih	Unair	V	

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64	IP028	EFFECTS OF CHANGES TIME ECHO (TE) AGAINST VALUE CONTRAST TO NOISE RATIO (CNR) SEKUENS T2WI TSE SAGITTAL IN LUMBAR MRI IMAGE	Tri Anggono Prijo	Unair	V	
65	IP029	DESIGN AND OPTIMIZATION OF SUN-TRACKING SOLAR SYSTEM USING FUZZY LOGIC TSUKAMOTO FIS	Suci Imani Putri	STIMIK Asia Malang		
66	IP030	SPERMATOOZA MOTILITY IDENTIFICATION BASED ON SUPERPIXEL TRACKING AND SEGMENTATION (JOTS)	Ali Suryaperdana	Kumamoto University	V	
67	IP031	SHORT-PULSED Q-SWITCHED THULIUM DOPED FIBER LASER WITH GRAPHENE OXIDE AS A SATURABLE ABSORBER	Nabilah Kasim	UTM		
68	IP032	THE IMPROVEMENT OF TRANSMISSION PERFORMANCE OF COMPRESSED IMAGE SPIHT USING EQUAL GAIN COMBINING DIVERSITY IN THE AREA OF RADIO FREQUENCY	Baharuddin	Unand		
69	IP033	CHARACTERISTICS OF LASER BANDWIDTH IN ULTRALONG FIBER LASER	Mohd Zamani Zulkifli	Aston University,	V	
70	IP034	FABRICATION OF PROTOTYPE FOR MEASURING THE EXHALED BREATH TEMPERATURE (EBT) TO SUPPORT DETECTION OF ASTHMA	Ade Agung Harnawan	University lambung mangkurat	V	V
71	IP035	CHARACTERIZATION OF PDA50B-EC THORLABS AMPLIFIER AS OPTICAL TO ELECTRICAL CONVERTER ON DESIGNING OPTICAL INSTRUMENTATION	Dwi Hanto	Research Center for Physics	V	V
72	IP036	TONE FREQUENCY SLENDRO INTERNATIONAL	J. Catur Condro C	Unesa		
73	IP037	DENSITY CHARACTERIZATION OF RADIOCHROMIC FILM THROUGH SOURCE AXIS DISTANCE (SAD) TECHNIQUES IN LINAC WITH SLAB PHANTOM FOR RADIOTHERAPY APPLICATIONS.	Yousida Hariani	Unair	V	
74	IP038	POTENCY OF ELECTRICAL WAVE, MAGNETIC FIELDS AND INFRARED TO REPAIR BLOOD GLUCOSE LEVELS AND HEPATIC FUNCTION IN MUS MUSCULUS WITH DIABETIC MELLITUS	Suhariningsih	Unair	V	

 No Full Paper
 Not Present