

Estrogen Receptors Status and Its Correlation with Age ,Tumor Size and Histologic Grade of Invasive Ductal Type Breast Cancer in West Nusa Tenggara

by Lina Nurbaiti

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Organized by Institute for Research and Community Services
University of Mataram, Indonesia

4th ICST 2019

International Conference on Science and Technology
Lombok, Indonesia, December 10th 2019

Theme:
Integration of Science and Technology for Sustainable Development
in Industrial 4.0 Era

PROGRAM BOOK



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Message from the Chairman



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Greetings!

On behalf of the Organizing Committee, it is a great pleasure and honor to welcome you to the 4th International Conference on Science and Technology (ICST) 2019. The ICST is an annual conference that this time themed the integration of science and technology for sustainable development in the industrial 4.0 era, organized by the Institute for Research and Community Services, University of Mataram. This event is held in a beautiful place that provides various tourist attractions in Indonesia – Lombok, West Nusa Tenggara.

The aim of this international conference is to provide an international forum for sharing knowledge, research expertise, forming a network prospective collaboration and networking on various fields of science and technology so that we would be able to apprehend how to integrate science and technology to support the industrial 4.0 era for sustainable development. We hope that this conference could growth the spirit of all of us for generating high-quality research that might give more expediencies for humanity in the world.

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Finally, I would like to express my deep appreciation and gratitude to all distinguished speakers, authors, and participants who are eagerly attended to share their research knowledge and experiences with all of us at this conference. I would also like to thank our distinguished International Board of Reviewers, all members of the Organizing Committee for all their support and advices. We also owe our success to the full support of the Rector of the University of Mataram and the Head of Institute for Research and Community Service.

Dr. Misbahuddin, ST., MT.
Chairman of ICST 2019 Organizing Committee

The 4th ICST Organizing Committee Members

Advisor	¹⁴ Prof. Dr. Lalu Husni, SH., M.Hum Rector of University of Mataram
Steering committee	⁴ 1. Muhamad Ali, S.Pt., M.Si., Ph.D 2. Prof. Dr. Ir. IGP. Muliarta Aryana, MP.
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³ Vice Chairman	Dewi Satria Elmiana, S.Pd, M.Pd., Ph.D
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Treasurer	1. Dr. Nurliah, S.Pi., M.Si. 2. Sukandi
Parallel session	³⁰ 1. Dr. Ir. Siti Hilyana, M.Si. 2. Dr. Nurliah, S.Pi., M.Si. 3. Mahardika, S.Kel, M.Si

Proceeding	⁶ <ol style="list-style-type: none"> 1. Dr.Saprizal Hadisaputra., S.Si, M.Sc. 2. Dr. rer.nat. Lalu Rudyat Telly Savalas, S.Si., M.Si 3. Zulkarnain, ST. 4. Ramaditia Dwiyanaputra, S.Si., M.Eng.
Web and information system	³⁵ <ol style="list-style-type: none"> 1. Dr.Saprizal Hadisaputra., S.Si, M.Sc. 2. Ramaditia Dwiyanaputra, ST., M.Eng
Secretariat and registration	<ol style="list-style-type: none"> 1. Dra. Farida 2. Fathiyah, SE, M.Ak 3. Muh. Zikron Kurniadin, S.Pd.
Transportation	<ol style="list-style-type: none"> 1. Muh Aidil Fitriyan Fadjar Suryadi, S.Pt 2. Samaanul Husna
Documentation	<ol style="list-style-type: none"> 1. Ishak, ST.

**SCHEDULE OF THE 4TH INTERNATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY
(ICST) 2019**

Tuesday, 10 December 2019

Time	Programme	Venue
07.30 - 8.00 am	Registration	Garuda Ballroom (3 rd Floor)
08.00 – 8.45 am	- Opening Ceremony - Lagu Indonesia Raya - Welcoming Speech – Chairman - Opening speech – Rector - Pray	Garuda Ballroom (3 rd Floor)
08.45 – 9.00 am	Photo session	
09.00 – 9.45 am	Plenary Lecture 1: Prof. Franck Lavigne Moderator: Dr.rer.nat Teti Zubaidah	Garuda Ballroom (3 rd Floor)
09.45 – 10.30 am	Plenary Lecture 2: Prof. Takaomi Arai Moderator: Dr.rer.nat Lalu Rudyat Telly Savalas	Garuda Ballroom (3 rd Floor)
10.30 – 10.45 am	Coffee break	
10.45 – 11.30 am	Plenary Lecture 3: - Dr. Zulkifli Mohamed - D.Sc. Endra Gunawan Moderator: Dewi Satria Elmiana, Ph.D	Garuda Ballroom (3 rd Floor)
11.30 – 12.15 pm	Plenary Lecture 4: - Maruf Mohammad Akbor, Ph.D - Muhamad Ali, Ph.D Moderator: Dr. Satrijo Saloko	Garuda Ballroom (3 rd Floor)
12.15 – 13.00 pm	Lunch break	Restaurant (1 st floor)

SCHEDULE OF PARALLEL SESSION

TIME	Garuda 1 (3 rd Floor)	Garuda 2 (3 rd Floor)	Garuda 3 (3 rd Floor)	Garuda 4 (3 rd Floor)	Lobby 2 (3 rd Floor)
	ID	ID	ID	ID	ID
13.00-13.10	TH-1	HL-1	NS-1	AGR-1	ENG-1
13.10-13.20	TH-2	HL-2	NS-2	AGR-2	ENG-2
13.20-13.30	TH-3	HL-3	NS-3	AGR-3	ENG-3
13.30-13.40	TH-4	HL-4	NS-4	AGR-4	ENG-4
13.40-13.50	DISCUSSION				
13.50-14.00	TH-5	HL-5	NS-5	AGR-5	ENG-5
14.00-14.10	TH-6	HL-6	NS-6	AGR-6	ENG-6
14.10-14.20	TH-7	HL-7	NS-7	AGR-7	ENG-7
14.20-14.30	TH-8	HL-8	NS-8	AGR-8	ENG-8
14.30-14.40	DISCUSSION				
14.40-14.50	TH-9	HL-9	NS-9	AGR-9	ENG-9
14.50-15.00	TH-10	HL-10	NS-10	AGR-10	ENG-10
15.00-15.10	TH-11	HL-11	NS-11	AGR-11	ENG-11
15.10-15.20	TH-12	HL-12	NS-12	AGR-12	ENG-12
15.20-15.30	DISCUSSION				
15.30-16.00	BREAK				
16.00-16.10	TH-13	HL-13	NS-13	AGR-13	ENG-13
16.10-16.20	TH-14	HL-14	NS-14	AGR-14	ENG-13
16.20-16.30	TH-15	HL-15	NS-15	AGR-15	ENG-13
16.30-16.40	TH-16	HL-16	NS-16	AGR-16	ENG-13
16.40-16.50	DISCUSSION				
16.50-17.00	TH-17	HL-17	NS-17	AGR-17	ENG-17
17.00-17.10	TH-18	HL-18	NS-18	AGR-18	ENG-18
17.10-17.20	TH-19	HL-19	NS-19	AGR-19	ENG-19
17.20-17.30	TH-20	HL-20	NS-20	AGR-20	ENG-20
17.30-17.40	TH-21	HL-21	NS-21	AGR-21	ENG-21
17.40-17.50	DISCUSSION				
	Moderator: Dr. Saprizal Hadisaputra	Moderator: dr. Dessy Irawati, PhD	Moderator: I Wayan Sudiartha, Ph.D	Moderator: Hendry Sakke Tira, PhD	Moderator: Made Sutha Yadnya, ST., MT

SCHEDULE OF PARALLEL SESSION

TIME	Garuda 1 (3 rd Floor)	Garuda 2 (3 rd Floor)	Garuda 3 (3 rd Floor)	Garuda 4 (3 rd Floor)	Lobby 2 (3 rd Floor)
	ID	ID	ID	ID	ID
13.00-13.10	TH-1	HL-1	NS-1	AGR-1	ENG-1
13.10-13.20	TH-2	HL-2	NS-2	AGR-2	ENG-2
13.20-13.30	TH-3	HL-3	NS-3	AGR-3	ENG-3
13.30-13.40	TH-4	HL-4	NS-4	AGR-4	ENG-4
13.40-13.50	DISCUSSION				
13.50-14.00	TH-5	HL-5	NS-5	AGR-5	ENG-5
14.00-14.10	TH-6	HL-6	NS-6	AGR-6	ENG-6
14.10-14.20	TH-7	HL-7	NS-7	AGR-7	ENG-7
14.20-14.30	TH-8	HL-8	NS-8	AGR-8	ENG-8
14.30-14.40	DISCUSSION				
14.40-14.50	TH-9	HL-9	NS-9	AGR-9	ENG-9
14.50-15.00	TH-10	HL-10	NS-10	AGR-10	ENG-10
15.00-15.10	TH-11	HL-11	NS-11	AGR-11	ENG-11
15.10-15.20	TH-12	HL-12	NS-12	AGR-12	ENG-12
15.20-15.30	DISCUSSION				
15.30-16.00	BREAK				
16.00-16.10	TH-13	HL-13	NS-13	AGR-13	ENG-13
16.10-16.20	TH-14	HL-14	NS-14	AGR-14	ENG-13
16.20-16.30	TH-15	HL-15	NS-15	AGR-15	ENG-13
16.30-16.40	TH-16	HL-16	NS-16	AGR-16	ENG-13
16.40-16.50	DISCUSSION				
16.50-17.00	TH-17	HL-17	NS-17	AGR-17	ENG-17
17.00-17.10	TH-18	HL-18	NS-18	AGR-18	ENG-18
17.10-17.20	TH-19	HL-19	NS-19	AGR-19	ENG-19
17.20-17.30	TH-20	HL-20	NS-20	AGR-20	ENG-20
17.30-17.40	TH-21	HL-21	NS-21	AGR-21	ENG-21
17.40-17.50	DISCUSSION				
	Moderator: Dr. Saprizal Hadisaputra	Moderator: dr. Dessy Irawati, PhD	Moderator: I Wayan Sudiartha, Ph.D	Moderator: Hendry Sakke Tira, PhD	Moderator: Made Sutha Yadnya, ST., MT

SESSION A: THEORETIC SCIENCE AND APPLIED TECHNOLOGY
VENUE : GARUDA 1 (3rd Floor)

ID	Presenter	Title
TH-1	NurRahmani, Sukmawaty, Guyup Mahardhian Dwi Putra, and Diah Ajeng Setiawati	Design Of Arduino Microcontroller Based Water Quality Monitoring System On A Filtration Unit
TH-2	Agung Budi Muljono, Yuda Pratama Putra Kesawa and I Made Ari Nrartha	Vector Groups Of Transformer Effect In Three Phase Power Flow Study
TH-3	Wilham Reyssan, Budi Irmawati and Fitri Bimantoro	Multi-Character Conversion For Huffman Algorithm
TH-4	Nur Kaliwanto, Yudhayadi Ngurah and Feri Fadli	Cfd Simulation Of Velocity Effect On Flow Characteristic Of Biofluid On The Microchannel Permeable Membrane
TH-5	Rahayu Utari, Fitri Bimantoro and Wirarama Wedashwara	Palm Print Recognition Using Canny Edge Detection, Gray Level Co-Occurrence Matrix And Classified Using K-Nearest Neighbor
TH-6	Shinta Esabella, Muhammad Hidayatullah, Titi Andriani and Ficky Fahrudin	Design And Build An Android-Based Digital Academic Guidebook Application At The Sumbawa University Of Technology
TH-7	Rina Juliana, I Gede Adhitya Wisnu Wardhana and Irwansyah	Some Characteristics Of Prime Submodules Of Gaussian Integer Modulo Over Integer
TH-8	Abdul Gazir S., I Gede Adhitya Wisnu Wardhana and Ni Wayan Switrayni	The Degree, Radius And Diameter Of Graph Coprime Of Group Dihedral
TH-9	Syamsul Hidayat	Calibration And Validation Of Hydrologic Models In Lombok Basin
TH-10	Syamsul Hidayat	The Impact Of Algorithms, Reservoirs' Size And Simulation Timescale On Reservoirs' Reliability
TH-11	Lalu Arifin Bakti, Arben Virgota, Baiq Farista and I Nyoman Soemeinaboedi	Quantification Of Puddling And Puddling Energy
TH-12	Dara Rarantika, I Wayan Sudiarta And Dian Wijaya Kurniawidi	Analysis Of Sea Surface Temperature In Indonesia Using Empirical Orthogonal Functions (Eof) Method
TH-13	Subaiah Marlina, I Wayan Sudiarta and Qurratul Aini	Development Of Sasambo Batik Patterns Using Lindenmayer System (L-System)

TH-14	Titi Andriani, Muhammad Hidayatullah and Shinta Esabella	Design Of Detection And Error Isolation System Based Observer Descriptor Using Computed Torque Control Law At Manipulator Robotic
TH-15	Rian Afandi, I Wayan Sudiarta And Marzuki	Numerical Solutions Of Einstein Field Equations For Schwarzschild And Isotropic Metrics
TH-16	Ahmad Akbar, Sjamsjiar Rachman and Djulfikry Budiman	Database Model To Optimize Queries For Student Evaluation Systems
TH-17	Lalu Abd Azis Mursy, Mustika Hadijati and Irwansyah	Designing A Nonparametric Kernel Regression Package In Python Programming Language
TH-18	Sylvana Yaka Saputra and Wahyu Hananingsih Hananingsih	The Potential Of Nature And Tourism Of The Bedil Island Of Sumbawa, West Nusa Tenggara As The Field Of Recreational Sport Development
TH-19	Muhammad Afrizal and Rosyid Ridho	Design Of Counter Machine With Flexible Blade For Organic Waste
TH-20	Yunita Sabrina, Ima Arum Lestari, Dewi Suryani and Ima Malawati	Cloning of Multiple DNA Fragments encoding latency-associated M. Tuberculosis Antigen
TH-21	Muhammad Afrizal and Karyanik Karyanik	Design of Organic Waste Chopping Tool Using Gasoline Motor As A Movement

SESSION B: HEALTH AND EDUCATION

VENUE : GARUDA 2 (3rd Floor)

ID	Presenter	Title
HL-1	15 Herpan Syafii Harahap, Novrita Padauleng, Rizka Vidya Lestari, Nurhidayati Nurhidayati, Anak Agung Ayu Niti Wedayani, Putu Suwita Sari, Dyke Gita Wirasisya And Yayuk Andayani	The Effect Of Ethanolic Extract Of Phaseolus Vulgaris To Cognitive Function Of Diabetes-Induced Rattus Novergicus
HL-2	Ari Khusuma, Suhartiningsih Suhartiningsih and Gita Pratama	26 The Ability Of Whaton's Jelly Derived Stem Cell As Source Of Mesenchymal Stem Cell
HL-3	Masadah Masadah and Sitti Rusdianah Jafar	Effectiveness Pf Aromaterapy For The Fulfilment Of Sleep Quantity Of Cancer Patient In West Nusa Tenggara Provincial General Hospital
HL-4	Ridawati Sulaeman, Dewi Purnamawati and Juju Proboningsih	Risk Factors For Occurrence Of Hypertension In The City Of Mataram And Surabaya
HL-5	Sri Chusri Haryanti, Moh. Kresna Widyahanto, Sri Puji Utami and Rosini	Indonesian E-Health Cloud Access Control Design
HL-6	Hayani, Agus Abhi Purwoko and Muntari	The Effect Of Pedagogical Competence Of Teacher And Student's Learning Motivation Towards Chemistry Learning Outcomes Of High School Students In Kediri, West Lombok
HL-7	36 Dyke Gita Wirasisya, Nisa Isneni Hanifa And Wahida Hajrin	Quantifying The Medicinal Plants Value For Degenerative Diseases Used By Traditional Medical Practitioners Form East Lombok, Indonesia
HL-8	Rabiatul Adawiyah, Agus Abhi Purwoko And Yayuk Andayani	Analysis Chemistry Science Literacy Abilities Of High School Student In Mataram
HL-9	Shafa Amina Raehani, Yayuk Andayani and Agus Abhi Purwoko	The Relationship Between Learning Facilities And Learning Interest Toward Chemistry Subject Among Eleventh Grade Students Of Public High School In West Lombok Agency
HL-10	Laili Hidayati, Agus Abhi Purwoko and Telly Savalas	The Effect Of Scientific Attitude And Motivation To Learn The Creative Thinking Skills Of Sma/Ma Student In Montong Gading Lombok Timur
HL-11	Muhtar Muhtar and Aan Dwi Sentana	The Nursing Home Care Module In Improving Self Care Agency Of Patient With Pulmonary Tuberculosis In The City Of Bima, West Nusa Tenggara
HL-12	Ade Wulandari	Drug Abuse Patterns And Their Manifestations Toward Teenager Behavior In Bima MunicNSlity

HL-13	Magfirah Perkasa And Muhammad Irwansyah	The Trend Of Researches Oriented On Education For Sustainable Development Concept In Indonesia
HL-14	³³ Rifana Cholidah, Ida Ayu Eka Widiastuti and Ima Arum Lestarini	The Profile Of Nutritional Status And The Incident Of Anemia Of The Students Of Medical Faculty, Mataram University, Nusa Tenggara Barat
HL-15	Yanna Indrayana, Aa. Sg. Mas Meiswaryasti P, Catarina Budyono and Herpan Syafii Harahap	Correlation Between Serum Homocysteine Level And Cardiovascular Risk Factors Among Peripheral Arterial Disease Patients In Mataram, West Nusa Tenggara
HL-16	Fathul Djannah And Hamsu Kadriyan	Profiling Histopathology Features Of Extra Pulmonary Tuberculosis In West Nusa Tenggara
HL-17	Hamsu Kadriyan, Ima Arum Lestarini, Fathul Djannah, Ad Irma Ramdhani And Mohammad Suprayogi	The Rare Cases Of Extrapulmonary Tuberculosis: A Report Of Three Different Cases In Laryng, Tonsil And Parotis
HL-18	Fathul Djannah, Novrita Padauleng, Lale Maulin Prihatina and Lina Nurbaii	Breast Cancer In West Nusa Tenggara 2010-2018: Incidence And Histological Type
HL-19	Fathul Djannah, Novrita Padauleng, Mohammad Rizki and Lina Nurbaii	Correlation Between Her2 Expression With Age And Histopathological Degree Of Malignancy Of Breast Cancer With Ductal Type In West Nusa Tenggara
HL-20	Fathul Djannah, Novrita Padauleng, Lale Maulin Prihatina and Lina Nurbaii	Estrogen Receptors Status And Its Correlation With Age , Tumor Size And Histologic Grade Of Invasive Ductal Type Breast Cancer In West Nusa Tenggara
HL-21		

SESSION C : NATURAL SCIENCE
VENUE : GARUDA 3 (3rd Floor)

ID	Presenter	Title
NS-1	Lale Budi Kusuma Dewi And Bagus Rai Wiadnya	Preconcentration Of Mercury Anorganic By Reducing Ion Hg ²⁺ To Hg ⁰ Using Copper
NS-2	Muhamad Soimin, Ayfer Sirin, Doğan Sozbilen, Eyup Baskale and Yakup Kaska	Spatiotemporal Predation Pattern Of The Loggerhead Nests On Dalyan Iztuzu Beach Turkey
NS-3	Amirin Kusmiran and Rita Desiasni	Design And Analysis Biocomposite Material For Mono Leaf Spring Using Finite Element Method
NS-4	Abdul Natsir, Supriyatna Supriyatna, Ni Made Seniari, Ida Ayu Sri Adnyani and Sabar Nababan	Improved Grid Tie Inverter Performance On Microgrid Of Solar Photovoltaic (Pv)
NS-5	Martiniingsih, Dahlan, Ahmad, Ade Wulandari, Sitti Rusdianah and Nurul Inayati	Profile Of Glucose, Lipid, Blood Pressure And Its Association With Cardiovascular Diseases At The Community Health Centers In Bima City, Indonesia
NS-6	Satria Firmansyah, Suhayat Minardi and Alfina Taurida Alaydrus	Distribution And Volume Estimation Of Economical Minerals Based On Gravity Data On Lombok Island West Nusatenggara Province
NS-7	Ida Ayu Eka Widiastuti, Gede Wira Buanayuda And Seto Priyambodo	Lipid Profile Comparison Between Cyclists And Sedentary People
NS-8	Dina Soes Putri, Siti Alaa' and Sri Puji Astuti	Photosynthetic Pigments Identification Of Microalgae Haematococcus Pluvialis In Acetone Extract
NS-9	Kenya Damayanti Priyatna, Bulkis Kanata, Abdullah Zainuddin, Teti Zubaidah and Made Sutha Yadnya	Correlation Of Geomagnetic Signal For Earthquake Studies In 2016-2017 Between Indonesian, Australian And Guam
NS-10	Gunanti Mahasri, Indah H Imani, Umi Hafidloh, Putri D Wulansari and Muhamad Amin	Intensity, Degree Of Infestation And Histopathology Of Ectoparasites Infecting Humpback Grouper (Cromileptes Altivelis)
NS-11	Gunanti Mahasri, Widya P Lokapirnasari, Muhammad N Syamsi and Muhamad Amin	The Effect Of Immunostimulant On The Growth Performances Of Vaname Shrimp (Litopenaeus Vannamei)
NS-12	Rosita Wati, Dina Asnawati and Saprizal Hadisaputra	Experiments And Theoretical Of Pinostrobin As A Copper Corrosion Inhibitor
NS-13	Musuf Idrus, Rahma Rahmawati and Baiq Fara Dwirani Sofia	A Novel Chemosensor From Flavone Derivative: 2-(4-Hydroxy-3-Methoxycyclohexyl)-4h-Chrom-4-On
NS-14	Yuyun Ustina, Bakti Sukrisna and Hiden Hiden	Analysis Of Thickness Of Pumice Layer As A Function Of Distance From Source Using The Geoelectric Method In Lingsar, West Lombok, Indonesia

NS-15	Dunung Lino Saputra, Mustika Hadijati and Awalushaumi Lailia	Panel Quantile Regression Analysis On Net Profit Modeling Of Regional Company Bank Perkreditan Rakyat West Nusa Tenggara
NS-16	Putrawan Saputra, Hiden Hiden and Syamsuddin Syamsuddin	Faults Mapping And Geometries Analysis Using Resistivity Geoelectric Methods In Kayangan, North Lombok
NS-17	Eko Pradjoko, Nurwahyu Hidayati, Agus Suroso and Baiq Dewi Suci Rukminingsih	The Investigation Of Submerged Breakwater Influence On Its Coastal Profile Behind
NS-18	Romi Mi'rajullayli, Syamsuddin Syamsuddin and Suhayat Minardi	Identification Of Seismic Vulnerability Using Microtremor Data In Lingsar District West Lombok Regency
NS-19	Nurul Hasan Basri, Dedy Suhendra, Jannatin 'Ardhuha And Lalu Rudyat Telly Savalas	Fatty Acid Preference Of LNSse Enzyme From Coconut Endosperm
NS-20	Dian Kurniawidi, Lina Handayani, Siti Alaa and Marzuki	Strengthening The Mechanical Properties Of Polyester Composites By Pineapple Leave Fibers
NS-21	Fathurrahman, Ismiati and Nurhasanah	Distribution of Extraselular Enzyme Producing Bacteria In Gastrointestinal Tract Of Pearl Lobster (<i>Panulirus ornatus</i>)

SESSION D: AGRICULTURE AND ENVIRONMENTS

VENUE : GARUDA 4 (3rd Floor)

ID	Presenter	Title
AGR-1	Suwati Suwati and Erni Romansyah	Growth Study And Production Results Of Ciharang Rice Plant Which Planted By Combination Of Sri (System Of Rice Intensification) And Jajar Legowo Method
AGR-2	Hendry Sakke Tira, Yesung Allo Padang and I Ketut Sukrenewita	Analysis Of Cross-Sectional Area Of Digester On Biogas Production Rate
AGR-3	Juwita Anisafitri, K Khairuddin and Dewa Ayu Citra Rasmii	Analysis Of Coliform Bacterial As A Water Pollution Indicator In Unus River
AGR-4	Muh. Aidil Fitriyan Fadjar Suryadi Suryadi, Anwar Rosyidi Rosyidi and Muhamad Ali Ali	Screening Of Phytase - Producing Bacteria As Probiotic Candidates Of Poultry
AGR-5	Lalu Patech, Abdul Syukur and Didik Santoso	The Associations And Abundance Of Echinodermata As Indicator Of The Function Of Seagrass Ecology On The Coastal Waters East Lombok, Indonesia
AGR-6	Baiq Hidayati, Abdul Syukur and Gde Mertha	The Suitable Of The Function Of Seagrass Ecology For The Sustainability Of Bivalvia On The South Coastal East Lombok, Indonesia
AGR-7	Nila Sari, Abdul Syukur and Karnan Ikan	The Species Richness Of Fish Of Catch By Small Fishermen On The Seagrass Beds In Coastal Waters Central Lombok, Indonesia
AGR-8	Khairil Anwar, Anwar Rosyidi and Muhamad Ali	Viability Of Bacteria Used In Production Of Synbiotics For Laying Hens
AGR-9	Asmawati Asmawati and Lalu Harwadi	Healthy Alternative Beverage From Instant Winged Bean Drinks
AGR-10	Suteja I Wayan and Sideman I A O Suwati	The Approach Of Soil Parameter And Vehicle Axle Load Factors In Road Damage Handling Post Earthquake Sr 7.0 At North Lombok Regency
AGR-11	Susi Rahayu, Sitti Hilyana, Embun Suryani, Nazmi H Sari and Muhamad Ali	Analysis Of Wood Pellet Quality From Calliandra Callothyrsus, Gliricida Sepium, And Sawdust As New And Renewable Energy
AGR-12	Surya Muttalib, Agriananta Hidayat and Sirajuddin Abdillah	Design Of Effective And Efficient Fruit Sprayer Using Quality Function Deployment (Qfd) Method
AGR-13	Wayan Wangiyana, I Ketut Ngawit, Nihla Frida, Ni Wayan Dwiani Dular and Siti Zainab	Organic And Bio-Fertilizer Application To Increase Yield Of Black Rice Under Aerobic Irrigation System And Intercropping With Peanut

AGR-14	Suwardji Suwardji and Made Sudantha	9 Response Of Growth And Yield Of Sorghum (Sorghum Bicolor (L.) Moench) Plant With Application Of Biochar, Manure, Biofertilizer And Two Irrigation Systems In Sandy Soil Of Dryland Farming In The North Lombok Of Indonesia
AGR-15	Akhmad Zubaidi	18 The Effects Of Continuously High Temperatures On Apical Development And Yield Of Four Varieties Of Wheat
AGR-16	Sri Nursakinah, Syarif Wahidah Al Idrus and Rahma Rahmawati	1 Analysis Of Water Quality Of The Babakan And Ancar Rivers In The City Of Mataram And Water Pollution Control Strategies
AGR-17	Sukmawaty Sukmawaty, Murad Murad, Rahmat Sabani and Hary Kurniawan	Effect Of Mass On Moringa Oleifera Drying Time Using Fluidized Bed Dryers
AGR-18	Kisman Kisman, B. Erna Listiana and Sumiati Sumiati	9 Effect Of Shading Stress On Growth And Yield Of Several Genotypes Of Soybean (Glycine Max (L.) Merrill)
AGR-19	Muhammad Amin, Muhammad Prasetyo Nugroho and Chairussyuhur Arman	Effect of Feeding Batacomplete Feed Block on Body Weight of Etawah Grade Dairy Goats in Sejati Farm
AGR-20	Mahrup Mahrup, Mansur Ma'shum, I Nyoman Soemeinaboedhy, Fahrudin Fahrudin and Faizatul Hasanah	ACCIDENTAL DROUGHT AT LOMBOK WAS DUE TO WIND VEKTOR ANOMALY IN CONVERGENT ZONE OF SOUTHERN INDIAN OCEAN
AGR-21	Alimuddin Alimuddin, Ryutaro Asano, Wakako Tsugawa, Kazunori Ikebukuro and Koji Sode	32 Glycoengineering of fungi-derived Glucose dehydrogenase (FAD-GDH) from A. flavus Afl599cc for Thermostability Enhancemen

SESSION E: ENGINEERING
VENUE : LOBBY (1st Floor)

ID	Presenter	Title
ENG-1	Eti Kurniati, Hermansyah Hermansyah and Gustia Nur Safitri	31 Banding Road Pavement Damage Review By Using Pavement Condition Index (Pci) Method; Case Study Of Jalan Bypass Sering Sumbawa Regency
ENG-2	Muhammad Sya'Roni Mujahidin, Misbahuddin Misbahuddin and Bulkis Kanata	Improving The Accuracy Of Face Recognition Using Residual Network (Resnet)
ENG-3	M. Yusuf Yahya, Misbahuddin Misbahuddin and Giri Wahyu Wiriasto	Received Signal Strength Of Wifi Devices For Indoor Positioning Using Neural Network Lvq Method
ENG-4	Ni Nyoman Kencanawati	Characteristic Of Pozzolan And Composite Portland Cement And Their Influences To Concrete Properties
ENG-5	Marwan Marwan	Bendixson Criterion In A Predator-Prey System With Holling-Type Iv Response Function
ENG-6	27 I Gede Pasek Suta Wijaya, Ni Nyoman Kencanawati And Ida Bagus Ketut Widiartha	Concrete Damage Interpretation Based On Acoustic Emission Signal Using Frequency Analysis, Pca And Ann
ENG-7	Didi Agustawijaya, Ajeng Siwindari and Ausa Agustawijaya	The Stability Of The Napun Gete Dam In Flores Island Constructed On Jointed And Porous Rocks
ENG-8	Syamsul Hidayat	Comparison Of Optimisation Techniques For Reservoirs In Series
ENG-9	Made Yadnya and I Sudiarta	Direct Measurement Of Strength Signal 4g For Simulation Best Service Coverage Bts (Base Transmitter Station)
ENG-10	Ishfa Kautsari Putri Suryani, Teti Zubaidah, Ida Bagus Fery Citarsa, Bulkis Kanata and Paniran Paniran	Magnetic Flux Density Mapping And Frequency Spectrum Identifications On Rotated Mini Magneto Static Flux Manipulator
ENG-11	Hasmil Hadi, Teti Zubaidah, Ida Ayu Sri Adnyani, Paniran Paniran and Bulkis Kanata	23 Survey Of Geothermal Energy Potential Using Geomagnetic Method In Sembalun Timba Gading, Lombok
ENG-12	2 Haqqullah Nur Ukassyah, Paniran Paniran, Teti Zubaidah, Cipta Ramadhani and Misbahuddin Misbahuddin	2 Interpretation Of Subsurface Based On Magnetic Data In The Geothermal Prospect Area Of Sembalun Lawang, Lombok

ENG-13	Satrya Bhayangkara Poetra, Teti Zubaidah, Ni Made Seniari, Rosmaliati Rosmaliati and Abdullah Zainuddin	Analysis Of Electric Field Intensity And Magnetic Field Flux Density Exposure In 150 KV Power Transmission Line, Gi Mataram – Gi Switching Mataram, Lombok
ENG-14	Khairunnas Khairunnas, Budi Irmawati, Bulkis Kanata, Teti Zubaidah, Dwi Ratnasari And Arik Aranta	The Handling Of Missing Data At Nurul Bayan Geomagnetic Station, Lombok
ENG-15	Sasmito Soekarno, Ery Setiawan and Eko Pradjoko	Flood Early Warning System: Development And Installation Of Automatic Rainfall Recorder
ENG-16	Rini Srikus Saptaningtyas, Pandu Kusumo Utomo, Sitti Hilyana	Smart Park Design As A Supporting Facility For Child Growth In North Lombok Regency - West Nusa Tenggara Province
ENG-17	Siti Nur Rahmah Anwar, Buan Anshari, A. Sjamsjar Rachman, Suryawan Murtiadi and Nurchayati .	Mechanical Properties Of Cold-Formed Steel By Tensile Testing
ENG-18	I Kade Wiratama And I Gusti Ngurah Yudhiyadi	Analysis Set-Up Of Blower Utilized For Wind Turbine Performance Experiment
ENG-19	Suryawan Murtiadi, Akmaluddin Akmaluddin, Teti Handayani and Siti Nur Rahmah Anwar	Stability And Insulation Of Sandwich Reinforced Concrete Slab With Lightweight Concrete Core Under Flexural Loading Exposed To Fire
ENG-20	Arif Wijaya and Agus Wahid Habiburrahman	Electrical Resistivity Investigation To Locate Groundwater Aquifers For Urban Development: A Case Study In Sandubaya District Urban Area, Mataram
ENG-21	Cahyo Muvianto, Kurniawan Yuniarto, Suthami Ariessaputra, Budi Darmawan, Mad ²⁵ adnya and A. Sjamsjar Rachman	Detection Of Sugar Content In Mango Fruit Using Coaxial Cavity Resonator

Estrogen Receptors Status and Its Correlation with Age , Tumor Size and Histologic Grade of Invasive Ductal Type Breast Cancer in West Nusa Tenggara

Fathul Djannah¹, Novrita Padauleng², Lale Maulin Prihatina³, Lina Nurbaiti⁴

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ABSTRACT

Background : Some studies have evaluated variation in Estrogen Receptors (ER) by demographic and clinical characteristic in Indonesia. There was no data on ER status and other prognostic factors such as age, tumor size and histologic grade in West Nusa Tenggara.

Aim provide the data on ER status profile on invasive ductal type of breast cancer and its correlation with age , tumor size and histologic grade

Methods : 40 tissue block paraffin of subject with invasive ductal type of breast cancer who underwent mastectomy Januari to Juli 2017. Data on age , tumor size and histologic grade were retrieved from pathology department on private and province's hospital. X² tes and Spearman's test was used

Result : 52% were ER positive. ER positive or negative were more likely in 40-60 years of age group and 2-5 cm large. Grade I 52,4%, significant relationship between grade and ER (p=0,041). Grade I was found to be most prevalent ER negative (68,4%). Grade II and III with ER positive tumors (38%,42,9 %)

Conclusion : Breast cancer of ductal type in West Nusa Tenggara exhibit slightly greater proportion of ER positive compared to ER negative and ER are related to grade

Keywords: breast cancer, estrogen receptors, malignancy in NTB, histological grade of breast cancer

Estrogen Receptors Status and Its Correlation with Age ,Tumor Size and Histologic Gradeof Invasive Ductal Type Breast Cancer in West Nusa Tenggara

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