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## Publications

2026

Prosiding seminar internasional

### **Facile In-situ Biosynthesis of Silver Nanocompositebased Bacterial Cellulose Derived from Coffee Kombucha Consortium for Cell-attachment**

ANDY CANDRA , Hsieh-Chih Tsai

2026

Jurnal internasional bereputasi

### **Enhanced Fuel Cell Performance with Robust Pyridinium-DerivativeFunctionalized SBS Triblock Copolymer Anion-Exchange Membranes**

ANDY CANDRA , Beyadgalem Endawoke Anley , Yohannis Wondwosen Ahmed , Afandy Yusuf , Sintayehu Leshe Kitaw , Darieo Thankachan , Mahvash Hira Khan , Hsieh-Chih Tsai

2025

Jurnal internasional bereputasi

### **Impact of honey-enriched soursop leaves (*Annona muricata*) kombucha on lipid profiles and hypoglycemic properties: An in-vivo study**

Haile Fentahun Darge , ANDY CANDRA

2025

Jurnal internasional bereputasi

### **Synergistic local delivery of gemcitabine and resiquimod (R848) via Janus micelles encapsulated in a dual-responsive hydrogel for subcutaneous glioblastoma treatment models**

ANDY CANDRA , Yohannis Wondwosen Ahmed , Tsung-Yun Wu , Sintayehu Leshe Kitaw , Beyadgalem Endawoke Anley , Dario Thankachan , Zhen Xiang Hong , Shun-Hao Chuang , Mahvash Hira Khan , Haile Fentahun Darge , Kuan-Ju Chen , Hao-Ming Chang , Chun-Chiang Huang , Jun-Sheng Wang , Yu-Shuan Chen , Hsieh-Chih Tsai

2025

Jurnal nasional terakreditasi

### **Raman Spectroscopic Analysis of Cu-Ag-In-S/CdSe Core/Shell Quantum Dots Grown on Mesoporous TiO<sub>2</sub> Substrates**

ANDY CANDRA , SITI UTARI RAHAYU

2024

Jurnal internasional bereputasi

### **An advanced plasmonic bimetallic nanostar composite for ultra-sensitive SERS detection of crystal violet**

ANDY CANDRA

2024

Jurnal internasional bereputasi

### **Cu-mediated broadening of the absorption band of quaternary Cu-Ag-In-S/CdSe type-II core/shell quantum dot-sensitized solar cells with an efficiency**

## of 12.51% under 0.25 sun

SITI UTARI RAHAYU , ANDY CANDRA , Jen-Bin Shi , Ming-Way Lee

2024

Jurnal internasional bereputasi

### **A green method for fabrication of a biocompatible gold-decorated-bacterial cellulose nanocomposite in spent coffee grounds kombucha: A sustainable approach for augmented wound healing**

ANDY CANDRA

2024

Jurnal internasional bereputasi

### **Fabrication of polydopamine functionalized AgNF SERS substrate: Applications for sensitive detection of nivalenol in food samples and cell biocompatibility**

ANDY CANDRA

2023

Jurnal internasional bereputasi

### **Honey utilization in soursop leaves (*Annona muricata*) kombucha: Physicochemical, cytotoxicity, and antimicrobial activity**

ANDY CANDRA

2023

Jurnal internasional bereputasi

### **Honey utilization in soursop leaves (*Annona muricata*) kombucha: Physicochemical, cytotoxicity, and antimicrobial activity**

BAYU EKO PRASETYO , ANDY CANDRA

2023

Jurnal internasional bereputasi

### **Fabrication of Ag nanostar and PEI-based SERS substrate for sensitive and rapid detection of SO<sub>2</sub>: Application for detection of sulfite residues in beer**

ANDY CANDRA

2023

Prosiding seminar internasional

### **Antimicrobial activity and vitamin c analysis of soursop leaves (*Annona muricata* L.) kombucha enriched with honey**

BAYU EKO PRASETYO , ANDY CANDRA

2023

Prosiding seminar internasional

### **Potential of soursop leaves (*Annona muricata* L.) kombucha beverages on vitamin C content and antimicrobial activity**

JULIATI BR TARIGAN , BAYU EKO PRASETYO , ANDY CANDRA

2023

Jurnal internasional bereputasi

### **THE INFLUENCE OF CATHARANTHUS ROSEUS (L.) G. DON. ETHANOL EXTRACT IN CLOVE OIL NANOEMULSION: PHYSICAL CHARACTERIZATION, ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES**

BAYU EKO PRASETYO , LIA LAILA , YADE METRI PERMATA , ANDY CANDRA

2022

Jurnal internasional bereputasi

### **ANTIMICROBIAL ACTIVITY AND PHYSICAL PROPERTIES OF CHITOSAN-AREN SEED (*Arenga Pinnata*) STARCH EDIBLE FILM**

ANDY CANDRA , MIMPIN GINTING , JAMARAN KABAN

2022

Jurnal internasional bereputasi

### **PHYTOCHEMICAL AND ANTIOXIDANT ACTIVITY OF SOURSOP (*Annona muricata* L.) LEAVES KOMBUCHA ENRICHED WITH GALACTOMANNAN FROM ENDOSPERM OF *Arenga pinnata***

2022

Jurnal internasional bereputasi

### **Green solvent enhanced mechanical extraction of palm kernel oil**

ANDY CANDRA , EKO K SITEPU , FIRMAN SEBAYANG , JULIATI BR TARIGAN , EMMA ZAIDAR

2022

Buku referensi

### **Film Pelapis Kitosan-Pati Biji Aren (Arenga Pinnata) Sebagai Kemasan Fillet Ikan Salmon**

ANDY CANDRA

2021

Prosiding seminar internasional

### **Potential of crude protease from Mengkudu (Morinda citrifolia) fruit on extraction of Virgin Coconut Oil**

EMMA ZAIDAR , ANDY CANDRA

2021

Prosiding seminar internasional

### **Study of vitamin C level of soursop leaves (Annona muricata l.) and galactomannan utilization in kombucha during fermentation**

BAYU EKO PRASETYO , ANDY CANDRA , JULIATI BR TARIGAN

2021

Prosiding seminar internasional

### **Potential of crude protease from Mengkudu (Morinda citrifolia) fruit on extraction of Virgin Coconut Oil**

EMMA ZAIDAR , ANDY CANDRA

## **Researches**

2021

Penelitian Dosen Pemula

### **Pengaruh lamanya waktu fermentasi terhadap sifat antioksidan dan antimikroba teh kombucha yang diperkaya dengan daun sirsak dan madu**

ANDY CANDRA , BAYU EKO PRASETYO

2021

Penelitian Dosen Pemula

### **Formulasi Nanoemulsi Berbasis Minyak Cengkeh Sebagai Sistem Penghantaran Obat**

YADE METRI PERMATA , ANDY CANDRA , BAYU EKO PRASETYO , LIA LAILA

2020

Penelitian Dosen Pemula

### **Ekstraksi minyak inti kelapa sawit dengan pelarut hijau (green solvent)**

ANDY CANDRA , EKO K SITEPU

2020

Penelitian Dosen Pemula

### **Karakteristik Kimiawi dan Mikrobiologis Kombucha dari Daun Sirsak dengan Galaktomanan selama Fermentasi**

ANDY CANDRA , JULIATI BR TARIGAN , BAYU EKO PRASETYO

## **Community Services**

2024

### **Pengembangan Potensi Praktik IPA di Kelas SD Negeri 173637 Narumonda: Program Penyuluhan dan Pemberian Alat Kit**

2020

KKN Pembelajaran Pemberdayaan Masyarakat

## **Optimalisasi Potensi Masyarakat Desa Nagori Rabuhit Untuk Penyesuaian New Normal Dalam Masa pandemi Covid-19**

ANDY CANDRA , TULUS JOSEPH HERIANTO

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