

# Prof. Dr. Poppy Anjelisa Zaitun Hasibuan, S.Si., M.Si., Apt

Dosen Program Studi S3 Ilmu Farmasi  
Fakultas Farmasi  
Universitas Sumatera Utara

✉ poppyanjelisa@usu.ac.id

🌐 ff.usu.ac.id/id/dosen/poppy-anjelisa-zaitun-hasibuan

*Prof. Dr. Poppy Anjelisa Zaitun Hasibuan S.Si., M.Si., Apt dilahirkan di Medan pada tanggal 10 Juni 1975 merupakan seorang dosen Farmakologi Farmasi di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni S-3 Ilmu Farmasi USU pada tahun 2014.*

## Publications

---

2019

Jurnal internasional bereputasi

**The anti-proliferative and pro-apoptotic properties of Ethanol Plectranthus amboinicus (Lour.) Spreng. Leaves ethanolic extract nanoparticles on T47D cell lines**

POPPY ANJELISA ZAITUN HASIBUAN

2020

Jurnal internasional bereputasi

**Anticancer Effects of Polyisoprenoid From Nypa fruticans Leaves by Controlling Expression of p53, EGFR, PI3K, AKT1, and mTOR Genes in Colon Cancer (WiDr & #8230;)**

POPPY ANJELISA ZAITUN HASIBUAN

2018

Jurnal internasional bereputasi

**Antioxidant activity of alkaloid fractions of litsea cubeba lour. Fruits**

POPPY ANJELISA ZAITUN HASIBUAN

2018

Jurnal internasional

**Anticancer effect of african leaves (Vernonia amygdalina del,) to T47D cell resistant**

POPPY ANJELISA ZAITUN HASIBUAN

2021

Jurnal nasional terakreditasi

**Effect Of Bangun-Bangun Leaves Ethanol Extract On Lipid Profile Ovariectomized Female Rats**

MARTUA PANDAPOTAN NASUTION , POPPY ANJELISA ZAITUN HASIBUAN

2024

Jurnal internasional bereputasi

**ANTIOXIDANT ACTIVITY OF FLAVONOID RICH FRACTION OF (VERNONIA AMYGDALINA DELILE.) LEAVES**

DEDDI PRIMA PUTRA , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , EDY MEIYANTO , MORALITA CHATRI , Endah Puji Septisetyani

2026

Jurnal internasional bereputasi

**In silico approach and in vitro study of fangchinoline-induced apoptosis and reactive oxygen species production in HER2-overexpressing breast cancer cells**

2020

Jurnal internasional bereputasi

**The anticancer activities of Vernonia amygdalina Delile. Leaves on 4T1 breast cancer cells through phosphoinositide 3-kinase (PI3K) pathway**

POPPY ANJELISA ZAITUN HASIBUAN

2018

Jurnal internasional bereputasi

**Antioxidant Activity of Alkaloid Compounds from Litsea cubeba Lour.**

JANSEN SILALAH I , AMINAH DALIMUNTHE , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA

2018

Jurnal internasional

**Antioxidant activity of alkaloid fractions of zanthoxylum acanthopodium dc. Fruits with 1, 1-diphenyl-2-picrylhydrazyl assay**

POPPY ANJELISA ZAITUN HASIBUAN

2026

Jurnal internasional bereputasi

**In silico approach and in vitro study of fangchinoline-induced apoptosis and reactive oxygen species production in HER2-overexpressing breast cancer cells**

DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN

2020

Jurnal internasional bereputasi

**Anticancer Effects of Polyisoprenoid From Nypa fruticans Leaves by Controlling Expression of p53, EGFR, PI3K, AKT1, and mTOR Genes in Colon Cancer (WiDr) Cells**

ERA YUSRAINI , SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN , MOHAMMAD BASYUNI

2025

Jurnal internasional bereputasi

**Analysis of artocarpin content and hepatoprotective activity of ethanol extract of mobe (Artocarpus lacucha Buch-Ham.) leaves on the liver of rats induced by paracetamol**

AMINAH DALIMUNTHE , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , PANAL SITORUS

2020

Jurnal nasional terakreditasi

**Effect of Plectranthus amboinicus, Lour. Spreng. n Hexane Extract on T47D Cells Line: Proliferation, Apoptosis and It's Combination with Doxorubicine**

SYAFRUDDIN ILYAS , MARTUA PANDAPOTAN NASUTION , POPPY ANJELISA ZAITUN HASIBUAN , ROSIDAH

2019

Jurnal internasional bereputasi

**Cyclin D1, Caspase 9 and P53 Expressions in T47D Cell Lines after Treatment of Plectranthus amboinicus, (Lour.) Spreng. Leaves Ethanolic Extract Nanoparticles**

SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN

2019

Jurnal internasional bereputasi

**The Effect of Puguntano Leaf Extract (Curanga Fel-Terrae Merr.) On P38 Mapk Levels and Glut-4 Expression in Type 2 Diabetic Rat Muscle. Open Access Maced J Med Sci. 2019 Feb 28, &#8230;**

POPPY ANJELISA ZAITUN HASIBUAN

2018

Prosiding seminar nasional

**Aktivitas Sitotoksik Fraksi Alkaloid Kulit Batang dan Buah Attarasa (Litsea cubeba Lour.) terhadap Sel Kanker Payudara T47D**

JANSEN SILALAH I , POPPY ANJELISA ZAITUN HASIBUAN , AMINAH DALIMUNTHE , DENNY SATRIA

2019

Jurnal internasional bereputasi

## **The PI3KCA and AKT inhibitory activities of *Litsea cubeba* Lour. fruits and heartwoods towards hela cells**

DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN , AMINAH DALIMUNTHE

2025

Jurnal internasional bereputasi

## **The potential of (2S,3S,4S,5R,6S)-6-[2-(3,4- dihydroxyphenyl)-3,5,7-trihydroxy-4- oxochromen-8-yl]oxy-3,4,5-trihydroxyoxane-2- carboxylic acid as an anticancer agent: In silico and in vitro assay**

HENNY SRI WAHYUNI , MASFRIA , DARYONO HADI TJ , POPPY ANJELISA ZAITUN HASIBUAN

2021

Jurnal internasional bereputasi

## **Effects of polyisoprenoids from *Avicennia lanata* and *Avicennia alba* leaves on the gene expression of PI3K, Akt1, mTOR, P53, and EGFR in human colorectal adenocarcinoma WiDr cells using reverse transcription-PCR [version 1; peer review: 1 approved with reservations]**

POPPY ANJELISA ZAITUN HASIBUAN

2021

Jurnal internasional bereputasi

## **PHYTOCHEMICALS ANALYSIS AND CELL CYCLE ARREST ACTIVITY OF ETHANOL EXTRACT OF *Litsea cubeba* Lour. FRUITS TOWARDS MCF-7/HER-2 CELL LINE**

AMINAH DALIMUNTHE , MASFRIA , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA

2024

Jurnal internasional bereputasi

## **BOTANY, PHYTOCHEMISTRY, TRADITIONAL USES, PHARMACOLOGY OF APOCYNACEAE FAMILY: A REVIEW**

NORADINA , DR IMELDA LIANA RITONGA SKP MPD MN , MERIANI HERLINA , POPPY ANJELISA ZAITUN HASIBUAN , YUANDANI , EMIL SALIM , RISWANI TANJUNG

2026

Jurnal internasional bereputasi

## **Docking-Based Virtual Screening of Bisbenzylisoquinoline Derivatives from *Stephania* Genus Against Hepatocellular Carcinoma**

DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN , SYUKUR BERKAT WARUWU

2019

Jurnal internasional

## **Antioxidant Properties and Cytotoxic Activity of Ethyl Acetate Fraction of *Plectranthus amboinicus* (Lour.) Spreng. Leaves on HeLa and T47D Cell Lines**

DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN , PANAL SITORUS

2021

Jurnal internasional bereputasi

## **In-silico analysis of vernonioside d and vernonioside e from *vernonia amygdalina delile*. Leaves as inhibitor of epidermal growth factor receptor (egfr) and mammalian target of rapamycin (mTOR)**

POPPY ANJELISA ZAITUN HASIBUAN

2025

Jurnal internasional bereputasi

## **Revealing the Anti-Breast Cancer Potential of Essential Oil from Jungga Orange Peel (*Citrus jambhiri*): Network Pharmacology and In Vitro Studies**

POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , PANAL SITORUS , SYUKUR BERKAT WARUWU

2026

Jurnal internasional bereputasi

## **Phytochemical profiling and anti-inflammatory activity of *Citrus hystrix* DC. Peel essential oil**

SYUKUR BERKAT WARUWU , YANTI YEMIMA , POPPY ANJELISA ZAITUN HASIBUAN , EMIL SALIM , DENNY SATRIA

2025

Jurnal nasional terakreditasi

## **Formulasi Sediaan Masker Gel Peel-Off Kopi Robusta (*Coffea canephora*) dan Efektivitasnya sebagai Anti Penuaan Dini**

SUMAIYAH , T ISMANELLY HANUM , MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN

2018

Jurnal internasional

## **ANTIOXIDANT ACTIVITY OF ALKALOID FRACTIONS OF LITSEA CUBEBA LOUR. FRUITS**

JANSEN SILALAHY , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , AMINAH DALIMUNTHER

2025

Prosiding seminar internasional

## **Molecular docking of new CHK-1 inhibitor as anti-ovarian cancer**

POPPY ANJELISA ZAITUN HASIBUAN , DARYONO HADI TJ , HENNY SRI WAHYUNI , MASFRIDA

2020

Jurnal internasional bereputasi

## **Anticancer effects of polyisoprenoid from *Nypa fruticans* leaves by controlling expression of p53, EGFR, PI3K, AKT1, and mTOR genes in colon cancer (WiDr) cells**

POPPY ANJELISA ZAITUN HASIBUAN , MOHAMMAD BASYUNI , SUMAIYAH

2023

Artikel ilmiah

## **Ligand-Based Pharmacophore Modeling and Molecular Docking of Multi-Inhibitor for CHK1, CHK2, and WEE1**

POPPY ANJELISA ZAITUN HASIBUAN , MASFRIDA , HENNY SRI WAHYUNI , Prof. Dr. apt. Daryono Hadi Tjahjono, M.Sc.Eng , DARYONO HADI TJ

2024

Jurnal internasional bereputasi

## **Effect of African Leaves (*Vernonia amygdalina* Delile) on the Development of T47D Breast Cancer Cells**

MORALITA CHATRI , POPPY ANJELISA ZAITUN HASIBUAN , DEDDI PRIMA PUTRA , DENNY SATRIA

2016

Jurnal internasional

## **Ethylacetate extract of *Zanthoxylum acanthopodium* DC. fruit against doxorubicin-resistance T47D cells**

POPPY ANJELISA ZAITUN HASIBUAN

2018

Jurnal internasional bereputasi

## **Polyisoprenoids from *Avicennia marina* and *Avicennia lanata* Inhibit WiDr Cells Proliferation**

MOHAMMAD BASYUNI , POPPY ANJELISA ZAITUN HASIBUAN

2020

Jurnal internasional bereputasi

## **Hepatoprotective activity of the ethanol extract of *Curcuma heyneana* rhizome on isoniazid and rifampin-induced liver injury rats**

URIP HARAHAH , MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN

2026

Jurnal internasional bereputasi

## **Phytochemical profiling and anti-inflammatory activity of *Citrus hystrix* DC. Peel essential oil**

POPPY ANJELISA ZAITUN HASIBUAN

2025

Jurnal internasional bereputasi

## **Natural Deep Eutectic Solvents-Mediated Extraction of Polyphenols from *Vernonia amygdalina* Leaf Under Ultrasound-Assisted Extraction: Enhanced Extractability and Anti-inflammatory Effect**

2023

Jurnal internasional bereputasi

### **Identification of potential target genes of cardiac glycosides from Vernonia amygdalina Delile in HER2+ breast cancer cells**

POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , ADAM HERMAWAN , FATHUL HUDA

2025

Jurnal nasional

### **Peningkatan Skill Wirausaha Siswa Melalui Pembuatan Sabun Cair Bebas Alergen Mengandung Minyak Atsiri Limbah Kulit Jeruk Nipis Di SMA Labschool, Banda Aceh**

POPPY ANJELISA ZAITUN HASIBUAN

2020

Jurnal internasional bereputasi

### **Development Of DNA Extraction On Mangrove Leaves**

POPPY ANJELISA ZAITUN HASIBUAN , MOHAMMAD BASYUNI

2023

Jurnal internasional bereputasi

### **The anti-inflammatory activity of hydrolyzed virgin coconut oil towards RAW 264.7 cell**

DENNY SATRIA , URIP HARAHAH , POPPY ANJELISA ZAITUN HASIBUAN , JANSEN SILAHLI

2020

Jurnal internasional

### **Apoptotic with double-staining test, p53, and cyclooxygenase-2 to proliferation colon cancer cell (WIDR) of dolichol in three mangrove leaves**

POPPY ANJELISA ZAITUN HASIBUAN

2020

Jurnal internasional bereputasi

### **Effects of polyisoprenoids from *Avicennia lanata* and *Avicennia alba* leaves on the gene expression of PI3K, Akt1, mTOR, P53, and EGFR in human colorectal &#8230;**

POPPY ANJELISA ZAITUN HASIBUAN

2011

Prosiding seminar nasional

### **Uji Aktivitas Antioksidan Ekstrak Etanol Daun Sisik Naga (*Drymoglossum piloselloides* [L.] Presl.)**

POPPY ANJELISA ZAITUN HASIBUAN , AMINAH DALIMUNTHE

2025

Prosiding seminar internasional

### **Molecular docking of new CHK-1 inhibitor as anti-ovarian cancer**

HENNY SRI WAHYUNI , MASFRIA , POPPY ANJELISA ZAITUN HASIBUAN , DARYONO HADI TJ

2020

Jurnal internasional bereputasi

### **Effects of polyisoprenoids from *Avicennia lanata* and *Avicennia alba* leaves on the gene expression of PI3K, Akt1, mTOR, P53, and EGFR in human colorectal &#8230;**

POPPY ANJELISA ZAITUN HASIBUAN

2024

Jurnal nasional terakreditasi

### **Upaya Peningkatan Keterampilan Pembuatan Lulur dan Masker Peel-Off Berbahan Baku Alami Terhadap Siswa Sekolah Menengah Kejuruan Farmasi Pharmaca Medan**

T ISMANELLY HANUM , MARIANNE , SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN

2025

Jurnal internasional bereputasi

# The potential of (2S,3S,4S,5R,6S)-6-[2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxy-4-oxochromen-8-yl]oxy-3,4,5-trihydroxyoxane-2-carboxylic acid as an anticancer agent: In silico and in vitro assay

HENNY SRI WAHYUNI , MASFRIA , POPPY ANJELISA ZAITUN HASIBUAN , DARYONO HADI TJ

2017

Jurnal internasional bereputasi

## ANTICANCER ACTIVITY OF *Plectranthus amboinicus* (LOUR. SPRENG.) LEAVES: IN VITRO AND IN SILICO STUDIES

POPPY ANJELISA ZAITUN HASIBUAN

2024

Jurnal internasional bereputasi

## Optimization of microwave-assisted extraction to obtain a polyphenol-rich crude extract from duku (*Lansium domesticum* Corr.) leaf and the correlation with antioxidant and cytotoxic activities

MUHAMMAD FAUZAN LUBIS , HUSNARIKA FEBRIANI , SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN , RONY ABDI SYAHPUTRA , NUR AIRA JUWITA

2026

Jurnal internasional bereputasi

## Antidiabetic effect of *Saurauia bracteosa* through GSK-3 $\beta$ inhibition: Insights from phytochemical analysis, molecular docking, and glucose uptake in L6 cells

MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN , YUANDANI , Kamal Rullah , Md. Nazim Uddin , Yoon A Jeon , Young Jae Lee

2022

Jurnal internasional bereputasi

## IN SILICO DOCKING STUDIES OF PHYTOSTEROL COMPOUNDS SELECTED FROM *Ficus religiosa* AS POTENTIAL CHEMOPREVENTIVE AGENT

POPPY ANJELISA ZAITUN HASIBUAN , MASFRIA

2025

Jurnal internasional bereputasi

## Phytochemical Characterization and Antidiabetic Evaluation of *Saurauia bracteosa* Leaf Extract in a Type 2 Diabetes Mellitus Model

POPPY ANJELISA ZAITUN HASIBUAN , YUANDANI , Kamal Rullah , MARIANNE

2017

Jurnal internasional

## CELL CYCLE ARREST ACTIVITY OF LITSEA CUBEBA LOUR: HEARTWOOD AND FRUIT EXTRACTS AGAINST T47D BREAST CANCER CELLS

POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA , AMINAH DALIMUNTHE

## Researches

2024

Penelitian Unggulan Perguruan Tinggi

## ANTICANCER ACTIVITY OF BISBENZYLISOQUINOLINE ALKALOIDS (FANGCHINOLINE AND TETRANDRINE) AND THEIR COMBINATION WITH CHEMOTHERAPY AGENT TOWARDS VARIOUS CANCER CELLS: IN SILICO AND IN VITRO STUDY

MASFRIA , POPPY ANJELISA ZAITUN HASIBUAN , DENNY SATRIA

2018

## PEMBUATAN DAN KARAKTERISASI NANOPARTIKEL EKSTRAK DAUN BANGUN-BANGUN (*Plectranthus amboinicus*, (Lour.) Spreng.) DAN EFEKNYA TERHADAP SEL KANKER PAYUDARA

SUMAIYAH , POPPY ANJELISA ZAITUN HASIBUAN , ANDRE PRAYOGA , JUNIUS GIAN GINTINGS.FARM

2023

# Efek Pemberian Ekstrak Kaya Flavonoid Dan Ekstrak Kaya Glikosida Jantung Dari Daun Afrika (*Vernonia Amygdalina Delile.*) Terhadap Perkembangan Sel Kanker Payudara

DEDDI PRIMA PUTRA , EDY MEIYANTO , MORALITA CHATRI , POPPY ANJELISA ZAITUN HASIBUAN

2022

Penelitian Disertasi Doktor

## Skринing Virtual In Silico dan Uji in vitro Senyawa Bahan Alam Inhibitor Chk1/2 dalam Pengembangan Obat Anti Kanker Ovarium, Henny Sri Wahyuni, Masfria

DARYONO HADI TJ , MASFRIA , POPPY ANJELISA ZAITUN HASIBUAN , HENNY SRI WAHYUNI

2015

Penelitian Tim Pasca Sarjana

## Uji Aktivitas Antikanker Beberapa Tumbuhan Khas Sumatera Utara

POPPY ANJELISA ZAITUN HASIBUAN , JANSEN SILALAH

2018

Penelitian Unggulan Perguruan Tinggi

## Penghambatan Perkembangan Kanker Payudara oleh Daun Afrika (*Vernonia amygdalina Delile.*): Kajian Molekuler secara In Vitro dan In Vivo

PANAL SITORUS , URIP HARAHAHAP , POPPY ANJELISA ZAITUN HASIBUAN , AHMAD MUTTAQIN NASUTION

2022

Penelitian Dana Lokal Perguruan Tinggi

## Efek Pemberian Ekstrak Etanol dan Fraksi Etilasetat Daun Afrika (*Vernonia amygdalina Delile.*) Terhadap Perkembangan Sel Kanker MCF-7

POPPY ANJELISA ZAITUN HASIBUAN , Fathul Huda , Adam Hermawan

2019

Penelitian Dana Lokal Perguruan Tinggi

## Daun Afrika (*Vernonia amygdalina Del.*) Sebagai Penghambat Perkembangan Kanker Paru-paru Secara In Vitro

DEWI PERTIWI , DELFITRI MUNIR , POPPY ANJELISA ZAITUN HASIBUAN , HERMAN SYUKUR HAREFA

2021

## EFEK ESTROGENIK DAUN BANGUN-BANGUN (*Plectranthus amboinicus* (Lour.) Spreng) PADA TIKUS BETINA (*Rattus norvegicus*) TER-OVARIIEKTOMI

MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN , CINDI INDRIYANI , ROSA GLORIA SITANGGANG , ROBBANI SYAH FITRI ANGKAT

## Community Services

2022

Ipteks Bagi Masyarakat

## UPAYA PENINGKATAN KETERAMPILAN PEMBUATAN LULUR DAN MASKER PEEL OFF BERBAHAN BAKU ALAMI TERHADAP SISWA SEKOLAH MENENGAH KEJURUAN FARMASI PHARMACA MEDAN

MARIANNE , T ISMANELLY HANUM , POPPY ANJELISA ZAITUN HASIBUAN

2019

## Sosialisasi Langkah Cuci Tangan yang Benar guna Mewujudkan Masyarakat Sehat dan Bebas Penyakit di SMA Negeri 1 Deli Tua

JULIA REVENY , MARIADI , POPPY ANJELISA ZAITUN HASIBUAN , AZIZAH NASUTION

2021

Ipteks Bagi Masyarakat

## Edukasi dan Pemberdayaan Masyarakat untuk membuat Sirup Buah Sebagai Upaya Pencegahan COVID19 dan Peningkatan Kesejahteraan di Kelurahan Jati Karya, Binjai Utara

MARIANNE , YUANDANI , POPPY ANJELISA ZAITUN HASIBUAN , AZIZAH NASUTION

2022  
Ipteks Bagi Masyarakat

## **UPAYA PENINGKATAN KETERAMPILAN PEMBUATAN LULUR DAN MASKER PEEL OFF BERBAHAN BAKU ALAMI TERHADAP SISWA SEKOLAH MENENGAH KEJURUAN FARMASI PHARMACA MEDAN**

MARIANNE , SUMAIYAH , T ISMANELLY HANUM , POPPY ANJELISA ZAITUN HASIBUAN , KHANSA CANDRA BESTARI , WAN FADILLA

2022

## **Year Page 1 of 1 | Total Records : 5 PEMBERDAYAAN MASYARAKAT DALAM PRODUKSI JAMU DI DESA PERGAJAHAN, KABUPATEN SERDANG BERDAGAI**

IMAM BAGUS SUMANTRI , NURMAN ACHMAD , POPPY ANJELISA ZAITUN HASIBUAN

2020

## **Sosialisasi Pencegahan Covid-19 dan Pelatihan Pembuatan Hand Sanitizer di Kelurahan Satria, Kecamatan Padang Hilir Tebing Tinggi**

MARIANNE , YUANDANI , POPPY ANJELISA ZAITUN HASIBUAN , AZIZAH NASUTION

2023

## **PENGEMBANGAN KEWIRAUSAHAAN JAMU INSTAN MELALUI PENINGKATAN KUALITAS DAN DIVERSIFIKASI PRODUK KEPADA SISWA DI YAYASAN PENDIDIKAN MARSIPATURE HUTANA BE KECAMATAN SIPIROK KABUPATEN TAPANULI SELATAN SUMATRA UTARA**

MARIANNE , YUANDANI , SONY EKA NUGRAHA , POPPY ANJELISA ZAITUN HASIBUAN

## **Intellectual Property Rights**

2017  
Hak cipta nasional

### **Pembuatan Masker Peel-Off Berbahan Baku Kopi Robusta (Coffea Canephora)**

T ISMANELLY HANUM , MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN , SUMAIYAH

2017  
Hak cipta nasional

### **Pembuatan Lulur Berbahan Baku Kopi Robusta (Coffea Canephora) Dan Beras Putih (Oryza Sativa)**

SUMAIYAH , T ISMANELLY HANUM , POPPY ANJELISA ZAITUN HASIBUAN , MARIANNE

2017  
Paten nasional

### **Ekstrak Daun Afrika (Vernonia amygdalina Delile.) sebagai Penghambat Pertumbuhan Sel Kanker Payudara**

URIP HARAHAP , DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN , PANAL SITORUS

2017  
Paten nasional

### **Ekstrak Etilasetat Daun Afrika (Vernonia amygdalina Delile.) sebagai Penghambat Pertumbuhan Sel Kanker Payudara 4T1**

URIP HARAHAP , DENNY SATRIA , POPPY ANJELISA ZAITUN HASIBUAN , PANAL SITORUS

2017  
Paten nasional

### **Pirdot Sebagai Antidiabetes**

MARIANNE , EN RAYMON BANCIN , AHMAD FAUZAN MASYHURI , KHAIRUN NISA ADHA FITRI , Kamal Rullah , POPPY ANJELISA ZAITUN HASIBUAN , YUANDANI

2017  
Paten nasional

### **KOMPOSISI LULUR KOPI ROBUSTA (Coffea canephora) DAN BERAS PUTIH (Oryza sativa) UNTUK MELEMBABKAN DAN MENGHALUSKAN**

MARIANNE , AZANATASYA BR SIHALOHO , KHANSA CANDRA BESTARI , WAN FADILLA , HAYA LUTHFIYAH MARWA RANI , SUMAIYAH , T ISMANELLY HANUM , POPPY ANJELISA ZAITUN HASIBUAN

2017  
Paten nasional

**KRIM BODY SCRUB YANG MENGANDUNG EKSTRAK ETANOL *Nigella sativa* L  
DAN AMPAS KOPI SEBAGAI ANTIAGING**

POPPY ANJELISA ZAITUN HASIBUAN , SUMAIYAH

---

2017  
Paten nasional

**MASKER GEL PEEL-OFF KOPI ROBUSTA (*Coffea canephora*) SEBAGAI ANTI  
PENUAAN DINI**

T ISMANELLY HANUM , AZANATASYA BR SIHALOHO , KHANSA CANDRA BESTARI , WAN FADILLA , HAYA LUTHFIYYAH  
MARWA RANI , MARIANNE , POPPY ANJELISA ZAITUN HASIBUAN , SUMAIYAH

---

2017  
Paten nasional

**Ektrak Etanol Attarasa sebagai anti kanker payudara**

POPPY ANJELISA ZAITUN HASIBUAN , MASFRIA , DENNY SATRIA , AMINAH DALIMUNTHE

---