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## apt. Eldiza Puji Rahmi, M.Sc

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### Profile

A committed lecturer on the field of Pharmacy, especially in Pharmacology and natural product-based therapy. Have an experience in teaching bachelor's students in pharmacology and toxicology, pharmacotherapy, microbiology and pharmacognosy. Current research interest including exploration of some Indonesian Plant on neuroinflammation therapy.

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### Career

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#### Universitas Pembangunan Nasional Veteran Jakarta / Lecturer

MARCH 2019 - PRESENT, Jakarta - Indonesia

Implementing The Three Pillars of Higher Education, including education, research, and community services

#### Universiti Kebangsaan Malaysia / Research Assistant

FEBRUARY 2017 - AUGUST 2017, Kuala Lumpur - Malaysia

Carried out experiments and research about effects of some Malaysian plants of gouty arthritis, collect and log experimental data, conduct statistical analyses of data sets, writing a manuscript for publication.

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### Education

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#### Universitas Sumatera Utara / Bachelor Degree of Pharmacy

2007 - 2011, MEDAN - Indonesia

Faculty of Pharmacy, Bachelor Program of Pharmacy

#### Universitas Sumatera Utara / Apothecary Profession

2011 - 2012, MEDAN - Indonesia

Faculty of Pharmacy, Bachelor Program of Pharmacy

#### Universiti Kebangsaan Malaysia / Master of Science (in Pharmacy)

2013 - 2017, KUALA LUMPUR - Indonesia

Faculty of Pharmacy, Master in Research Program

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## Publications and Proceedings

1. **Rahmi, E.P.**, Kumolosasi, E. Jalil, J., Buang F., Jamal, J.A. (2022). Extracts of *Andrographis paniculata* (Burm. F.) Nees Leaves Exert Anti-gout effects by Lowering Uric Acid Levels and Reducing Monosodium Urate Crystal-Induced Inflammation. *Frontiers in Pharmacology* 12:787125
2. Septama, A.W., **Rahmi E.P.**, Antika, L.D., Dewi, R.T., Jaisi, A. (2022). A Synergy Interaction of Artocarpin and Tetracycline against *Pseudomonas aeruginosa* and Its Mechanism of Action on Membrane Permeability. *Zeitschrift für Naturforschung C* 77(1-2):57-63
3. Pradana, D.L.C., **Rahmi E.P.**, Muti, A.F. (2021). Implementation of Traditional Medicine Remedies During The COVID-19 Pandemic as Health Improvement and Empowerment of Indonesian Women. *Journal of Sustainable Community Development* 3(3)
4. Makkiyah, F., **Rahmi E.P.**, Revina, R., Susantiningsih T., Setyaningsih, Y. (2021). *Graptophyllum pictum* (L.) Griff. (Syn: *Justicia picta* Linn) and Its Effectiveness: A Well-known Indonesian Plant. *Pharmacognosy Journal* 13(3): 835-838.
5. Muti, A.F., Pradana, D.L.C., **Rahmi E.P.** (2021). Extract of *Caesalpinia sappan* L. heartwood as food treatment anti-diabetic: a narrative review. *IOP Conference Series: Earth and Environmental Science* (755): 012042
6. Pradana, D.L.C., **Rahmi E.P.**, Muti, A.F. (2021). Hypoglycemic Effect of *Moringa oleifera* Aqueous Extract in Diabetic Animal Studies: A Mechanisms Review. *Atlantis Press: Advances in Health Sciences Research* 33
7. Pradana, D.L.C., **Rahmi E.P.**, Muti, A.F. (2020). Kajian Aktivitas Antioksidan: Potensi Ekstrak Air Daun Kelor (*Moringa oleifera*) dan Secang (*Caesalpinia sappan* L) Sebagai Anti Hiperglikemia. *Pharmacy: Jurnal Farmasi Indonesia (Pharmaceutical Journal of Indonesia)* 17(2): 352-359
8. Septama A.W., Jantan I., Panichayupakaranant, P., Aluwi M.F.F.M., **Rahmi E.P.** (2020). Immunosuppressive and antibacterial activities of dihydromorin and norartocarpetin isolated from *Artocarpus heterophyllus* heartwoods. *Asian Pacific Journal of Tropical Biomedicine* 10(8): 361-368
9. **Rahmi, E.P.**, Kumolosasi E. Jalil, J., Husain K., Buang F., Razak A.F.A., Jamal J.A. (2020). Anti-hyperuricemic and Anti-inflammatory Effects of *Marantodes pumilum* as Potential Treatment for Gout. *Frontiers in Pharmacology* 11:289
10. Daud N.N.N.N.M., Septama A.W., Simbak, N., **Rahmi E.P.** (2020). The phytochemical and pharmacological properties of artocarpin from *Artocarpus heterophyllus*. *Asian Pacific Journal of Tropical Medicine* 13(1):1-7.
11. Septama A.W., Simbak N., **Rahmi E.P.** (2019). Prospect of Plant-based Flavonoids to Overcome Antibacterial Resistance: A Mini-Review. *Walailak Journal of Science and Technology (WJST)* 17(5): 503–513.
12. Daud N.N.N.N.M., Septama A.W., Simbak, N., **Rahmi E.P.**, Bakar N.A.H., (2019). Synergistic Effect of Flavonoids from *Artocarpus heterophyllus* Heartwoods on Anticancer Activity of Cisplatin Against H460 and MCF-7 Cell Lines. *Natural Product Sciences* 25(4): 311-316
13. Herardi R., Theresia R.M., Susetyo R.R., Khaldun M.I., Aryandi B.B., Yuliana S.D., Muti A.F., **Rahmi E.P.**, Prasetra I.B., Budiyan L. (2019).

The impact of dyspepsia on quality of life among medical students in Indonesia. *Journal of Gastroenterology and Hepatology* 34(Supp 3): 322

14. **Rahmi E.P.**, Jamal J.A., Kumolosasi E., Jalil J., Aladdin NA. (2017). *Marantodes pumilum* (Blume) Kuntze Inhibited Secretion of Lipopolysaccharide- and Monosodium Urate Crystal-stimulated Cytokines and Plasma Prostaglandin E2. *Pharmacognosy Magazine* 13(supp 3): S578-S586.

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## Laboratory or Research Experience

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I do research in natural products and pharmacological activities of medicinal plants as well as cell signaling. I am also Head of Animal Research Facilities Unit – UPNVJ Medical Research and Education Center. My laboratory skills include HPLC, HPTLC, western blot, cell culture, in vitro assay such as anti oxidant, anti inflammatory, anti hyperuricemic, anti cancer, immunomodulator and in vivo assay such as immunomodulator, anti inflammatory, anti hyperuricemic models. I also received grants for research below:

1. Pengembangan Nutrasetikal untuk Penyakit Degeneratif: Penentuan Kandungan Fitokimia dan Aktivitas Antioksidan dari Ekstrak Etanol Buah Andaliman (*Zanthoxylum acanthopodium* DC.)  
UPNVJ Research Grant 2022
2. Sitotoksitas dan Aktivitas Antiinflamasi dari Minyak Atsiri Buah Andaliman (*Zanthoxylum acanthopodium* DC.) terhadap sel RAW264.7  
UPNVJ Research Grant 2022
3. Kandungan Senyawa Fitokimia dan Aktivitas Antioksidan Ekstrak Daun Jombang (*Taraxacum officinale*) untuk Pengembangan Obat Herbal Terstandar Perlemakan Hati Non Alkoholik  
UPNVJ Research Grant 2022
4. Optimasi pelarut tanaman daun ungu *Graphthophyllum pictum* dan evaluasi potensi antioksidan dengan pendekatan design simplex-centroid  
UPNVJ Research Grant 2022
5. Eksplorasi daun ungu (*Graptophyllum pictum*) sebagai alternatif obat stroke: uji toksisitas akut dan subakut pada tikus model stroke iskemik  
UPNVJ Research Grant 2021
6. Bhrine Shrimp Lethality Test (BSLT) dan Gambaran Histopatologi Mencit Hiperglikemia yang Diberikan Ekstrak Daun Kelor (*Moringa olifera*) dan Secang (*Caesalpinia sappan*)  
UPNVJ Research Grant 2021
7. Pengaruh Ekstrak Air Daun Kelor dan Secang terhadap Kadar Glukosa Darah Puasa Mencit Jantan Galur Swiss-webster  
UPNVJ Research Grant 2020