

A. Identitas Diri

1	Nama	Prof. apt. Nasrul Wathoni, S.Si., M.Si., Ph.D.
2	Jabatan Fungsional	Guru Besar
3	Jabatan Struktural	Ketua Program Studi Sarjana Farmasi
4	Pangkat/golongan	Pembina/IVb
5	NIP	198204052006041003
6	NIDN	0004058202
7	Tempat dan Tanggal Lahir	Tasikmalaya, 4 Mei 1982
8	Alamat Rumah	Jl. Pondok Mas 3, No.44, Cimahi
9	No Telepon/Fax/HP	By request
10	Alamat Kantor	Jl. Raya Bandung Sumedang KM 21, Jatinangor 45363.
11	Telepon / Fax	022 84288888 Ext. 3510
12	Alamat e-mail	nasrul@unpad.ac.id
13	Bidang keilmuan	Farmasetika dan Teknologi Farmasi
14	Personal Website	https://blogs.unpad.ac.id/nasrul
15	SINTA	https://sinta.kemdikbud.go.id/authors/profile/257765
16	Scopus	https://www.scopus.com/authid/detail.uri?authorId=55520893400

B. Riwayat Pendidikan

	S-1	S-2	S-3
Perguruan Tinggi	Universitas Padjadjaran	Institut Teknologi Bandung	Kumamoto University
Bidang Ilmu	Farmasi	Farmasetika	Physical Pharmaceutics
Tahun Masuk-Lulus	2000-2004	2007-2009	2014-2017
Judul Skripsi/Thesis/Disertasi	Efektivitas Lecithin sebagai Emulgator dalam Sediaan Emulsi Minyak Ikan	Pengaruh Iontoforesis Dan Zat Peningkat Penetrasi Terhadap Difusi Sediaan Gel Piroksikam	Design and Evaluation of Sacran/Cyclodextrin Hydrogel Film for Wound Dressing Application
Nama Pembimbing/Promotor	Drs. Boesro Soebagio, MS. Apt	Dr. Jessie Sofia Pamudji, MS., Apt.	Prof. Hidetoshi Arima, PhD.

C. Pengalaman Pekerjaan

No	Jabatan	Tahun
1	Professor, Departemen Farmasetika dan Teknologi Farmasi, Fakultas Farmasi, Unpad	2022-sekarang
2	Ketua Program Studi Sarjana Farmasi, Fakultas Farmasi, Unpad	2021-sekarang
3	Deputi IT, Institut Pembangunan Jawa Barat (Injabar) Unpad	2020-sekarang
4	Lektor Kepala, Departemen Farmasetika dan Teknologi Farmasi, Fakultas Farmasi, Unpad	2019-2022
5	Ketua Unit Internasional, Fakultas Farmasi, Unpad	2020-2021
6	Manajer Akademik dan Kemahasiswaan, Fakultas Farmasi, Unpad	2019-2020

D. Pengalaman Penelitian

No	Tahun	Judul Penelitian	Sumber Dana	Jumlah (Rp)
1	2022	Aplikasi InaTTI (Indonesia Tes dan Telefarmasi)	Kedaireka. DIKTI	201.084.750
2	2021	Bisnis Startup Majalah Digital Farmasetika sebagai One Stop Solution Masalah Kefarmasian Online Secara Nasional	Kedaireka. DIKTI	860.000.000
3	2021-2023	Evaluasi Keamanan, Toksisitas, Stabilitas, dan Efikasi Klinik Plester film hidrogel α -mangostin dari kulit manggis (<i>Garcinia mangostana</i> L.) berbasis kitosan–alginat untuk mengobati sariawan (Reccurent Aphthous Stomatitis)	Hibah Bersaing DIKTI	964,795,500
4	2019-2021	Plester film hidrogel α -mangostin dari kulit manggis (<i>Garcinia mangostana</i> L.) berbasis kitosan – alginat untuk mengobati sariawan (Reccurent Aphthous Stomatitis)	Hibah Bersaing DIKTI	260.000.000
5	2019-2021	The New Antiproliferative Agents in Breast Cancer Cells and Potential Inhibitors of Human Estrogen Receptor from Polymeric Nanoparticles of Alpha Mangostin (<i>G.mangostana</i>): In Slico, In Vitro, and Formulation	Hibah Bersaing DIKTI	480.000.000
6	2019-2021	Pengembangan hidrogel kitosan Liposom-hEGF (human Epidermal Growth Factor) Rekombinan Hasil Sekresi Ekstraseluler Menggunakan <i>Escherichia coli</i> BL21	Hibah Bersaing DIKTI	570.000.000

		Sebagai Kandidat Obat Penyembuhan Luka		
7	2017-2019	Pengembangan Sacran Hidrogel Film Sebagai Biomaterial Baru untuk Terapi Regeneratif pada Luka Diabetes Tahun 1	Riset Fundamental Unpad	191.850.000
8	2012	Pengembangan Biosensor Asam Urat yang Dikombinasikan dengan Teknik Reverse Iontophoresis:Upaya Deteksi Dini As Urat Tanpa Rasa Sakit Tahun 1	Hibah Bersaing DIKTI	45.000.000
9	2013	Pengembangan Biosensor Asam Urat yang Dikombinasikan dengan Teknik Reverse Iontophoresis:Upaya Deteksi Dini As Urat Tanpa Rasa Sakit Tahun 2	Hibah Bersaing DIKTI	45.000.000
10	2010	Pengaruh Propilenglikol terhadap Laju Difusi Krim Etil Vitamin C	DIPA Unpad	10.000.000
11	2009	Pemanfaatan Getah Pohon Pisang dan Lendir Lidah Buaya Sebagai Sediaan Obat Untuk Luka Baka	Hibah Strategi Nasional DIKTI	110.000.000
12	2007	Efektivitas Lesitin sebagai Emulgator dalam Sediaan Emulsi Minyak	DIPA Unpad	10.000.000
13	2023	Plester Sariawan Inovatif Berbasis Alginat dan Chiotsan	Kedaireka. DIKTI	298.000.000
14	2024	Teknologi Liposom mengandung Nistatin dengan sistem Film Layer by Layer (LBL) Untuk Terapi Kandidiasis Oral	Hibah Bersaing DIKTI	119.000.000

E. Pengalaman Penulisan Artikel Ilmiah (5 tahun terakhir)

No	Title	Journal	Volume/No/Year
1	Nanoparticle drug delivery systems for α -mangostin	Nanotechnology, Science and Applications	13, pp. 23-36, 2020
2	The effectiveness of postoperative antibiotics following appendectomy in pediatric patients: A cost minimization analysis	Open Public Health Journal	13(1), pp. 80-86, 2020
3	Epidermal growth factor in sacran hydrogel film accelerates fibroblast migration	Journal of Advanced Pharmaceutical Technology and Research	11(2), pp. 74-80, 2020
4	Synthesis of nano- α mangostin based on chitosan and Eudragit S 100	Journal of Advanced Pharmaceutical Technology and Research	11 (3), 95, 2020

5	Activity and Effectiveness of Recombinant hEGF Excreted by Escherichia coli BL21 on Wound Healing in Induced Diabetic Mice	Journal of Experimental Pharmacology	12, 339-348, 2020
6	Enhancement of α -Mangostin Wound Healing Ability by Complexation with 2-Hydroxypropyl- β -Cyclodextrin in Hydrogel Formulation	Pharmaceuticals	13 (10), 290, 2020
7	Accelerated wound healing ability of Jatropha sap by iota carrageenan-poly (vinyl alcohol) hydrogel film	Journal of Advanced Pharmaceutical Technology and Research	11 (4), 226, 2020
8	Ulvan, a polysaccharide from Macroalga Ulva sp.: A review of chemistry, biological activities and potential for food and biomedical applications	Applied Sciences	2020, 10(16), 5488
9	Enteric-coated strategies in colorectal cancer nanoparticle drug delivery system	Drug Design, Development and Therapy	2020, 14, pp. 4387–4405
10	Film-forming sprays for topical drug delivery	Drug Design, Development and Therapy	2020, 14, pp. 2909–2925
11	Corrigendum to “Characterization and antioxidant activity of pectin from Indonesian mangosteen (<i>Garcinia mangostana</i> L.) rind” (Heliyon (2019) 5(8), (S2405844019359596), (10.1016/j.heliyon.2019.e02299))	Heliyon	2020, 6(1), e03074
12	Characterization and acute oral toxicity of concentrated minerals of Pamekasan Madura seawater	Journal of Advanced Pharmaceutical Technology & Research	2021, 12(3), pp. 305–309
13	A Comprehensive Review on Ulvan Based Hydrogel and Its Biomedical Applications	Chemical and Pharmaceutical Bulletin	2021, 69 (5), 432-443
14	The Use of Megamolecular Polysaccharide Sacran in Food and Biomedical Applications	Molecules	2021, 26 (11), 3362
15	Chitosan-Based Nanoparticles of Targeted Drug Delivery System in Breast Cancer Treatment	Polymers	2021, 13 (11), 1717
16	The Potential Cytotoxic Activity Enhancement of α -Mangostin in Chitosan-Kappa Carrageenan-Loaded Nanoparticle against MCF-7 Cell Line	Polymers	2021, 13 (11), 1681
17	Telepharmacy: A Potential Alternative Approach for Diabetic Patients During the COVID-19 Pandemic	Journal of Multidisciplinary Healthcare	Volume 2021:14 Pages 2261—2273
18	Evolution of drug delivery systems for recurrent aphthous stomatitis	Drug Design, Development and Therapy,	2021, 15, pp. 4071–4089
19	Development and characterization of ulvan polysaccharides-based hydrogel films for potential wound dressing applications	Drug Design, Development and Therapy,	2021, 15, pp. 4213–4226
20	α -Mangostin nanoparticles cytotoxicity and cell death modalities in breast cancer cell lines	Molecules	2021, 26(17), 5119
21	α -Mangostin/ γ -Cyclodextrin Inclusion Complex: Formation and Thermodynamic Study	Polymers	2021, 13(17), 2890

22	Film-forming spray of water-soluble chitosan containing liposome-coated human epidermal growth factor for wound healing	Molecules	2021, 26(17), 5326
23	The potential interaction of ethionamide-thyroid hormone receptor induces hypothyroidism	Pharmacognosy Journal	2021, 13(5), pp. 1174–1179
24	Mesenchymal stem cell secretome for dermatology application: A review	Clinical, Cosmetic and Investigational Dermatology	2021, 14, pp. 1401–1412
25	Nanoformulations of α -mangostin for cancer drug delivery system	Pharmaceutics	2021, 13(12), 1993
26	Compares mRNA and Adenovirus-Based SARS-CoV-2 Vaccines	International Journal of Applied Pharmaceutics	2021, 13(special issue 4), pp. 77–82
27	A Review on Various Formulation of Nanoemulsions in Cosmetics with Plant Extracts as the Active Ingredients	International Journal of Applied Pharmaceutics	2021, 13(Special issue 4), pp. 34–40
28	Targeted drug delivery system; nanoparticle based combination of chitosan and alginate for cancer therapy: A review	International Journal of Applied Pharmaceutics	2021, 13(Special Issue 4), pp. 69–76
29	Drug release study of the chitosan-based nanoparticles	Heliyon	2022, 8(1), e08674
30	The Future Prospective: Potential Magnesium and Calcium for Detracting Side Effect Cisplatin	Research Journal of Pharmacy and Technology	2022, 15(1), pp. 481–488
31	Liposome-polymer complex for drug delivery system and vaccine stabilization	Heliyon	2022, 8(2), e08934
32	Polymeric Hydrogels as Mesenchymal Stem Cell Secretome Delivery System in Biomedical Applications	Polymers	2022, 14(6), 1218
33	Recent Update on the Anti-Inflammatory Activities of Propolis	Molecules	2022,27(23), 8473
34	Monoclonal antibody as a targeting mediator for nanoparticle targeted delivery system for lung cancer	Drug Delivery	2022, 29(1), 2959-2970
35	Chitosan–Hyaluronic Acid Nanoparticles for Active Targeting in Cancer Therapy	Polymers	2022,14(16),3410
36	In Silico Study: Combination of α -Mangostin and Chitosan Conjugated with Trastuzumab against Human Epidermal Growth Factor Receptor 2	Polymers	2022, 14(13), 2747
37	Cytotoxicity Enhancement in MCF-7 Breast Cancer Cells with Depolymerized Chitosan Delivery of α -Mangostin	Polymers	2022, 14(15), 3139
38	Preparation of Mangosteen Peel Extract Microcapsules by Fluidized Bed Spray-Drying for Tableting: Improving the Solubility and Antioxidant Stability	Antioxidants	2022, 11(7), 1331

39	Alginate/Chitosan-Based Hydrogel Film Containing α -Mangostin for Recurrent Aphthous Stomatitis Therapy in Rats	Pharmaceutics	2022,14(8), 1709
40	A REVIEW ON CHITOSAN-BASED MATERIALS AS POTENTIAL WOUND DRESSING MATERIALS	International Journal of Applied Pharmaceutics	2022, 14 (Special Issue 4), 27-32
41	A Review of Coformer Utilization in Multicomponent Crystal Formation	Molecules	2022, 27(24), 8693
42	Scale-up polymeric-based nanoparticles drug delivery systems: Development and challenges	OpenNano	2022,7, 100048
43	Chitosan-Based Nano Systems for Natural Antioxidants in Breast Cancer Therapy	Polymers	2023, 15(13), 2953
44	Molecular docking in prediction of α -mangostin/cyclodextrin inclusion complex formation	AIP Conference Proceedings	2023, 2706, 20160
45	Chitosan/Alginate Polymeric Nanoparticle-Loaded α -Mangostin: Characterization, Cytotoxicity, and In Vivo Evaluation against Breast Cancer Cells	Polymers	2023, 15(18), 3658
46	FORMULATION AND EVALUATION OF HAND AND BODY LOTION FROM PURPLE SWEET POTATO (IPOMOEA BATATAS L.) PEEL EXTRACT AND ITS ANTIOXIDANT ACTIVITY	International Journal of Applied Pharmaceutics	2023, 15 (Special Issue 2), 118-122
47	Ulvan/Silver nanoparticle hydrogel films for burn wound dressing	Heliyon	2023, 9(7), e18044
48	Efficacy and safety of casirivimab-imdevimab combination on COVID-19 patients: A systematic review and meta-analysis randomized controlled trial	Heliyon	2023, 9(12), e22839
49	Effectiveness of Mesenchymal Stem Cell Secretome on Wound Healing: A Systematic Review and Meta-analysis	Tissue Engineering and Regenerative Medicine	2023, 20(7), 1053-1062
50	Application, Benefits, and Limitations of Telepharmacy for Patients with Diabetes in the Outpatient Setting	Journal of Multidisciplinary Healthcare	2023, 16, 451-459
51	Hyaluronic Acid-Coated Chitosan Nanoparticles as an Active Targeted Carrier of Alpha Mangostin for Breast Cancer Cells	Polymers	2023, 15(4), 1025

52	Cytotoxicity Enhancement of α -Mangostin with Folate-Conjugated Chitosan Nanoparticles in MCF-7 Breast Cancer Cells	Molecules	2023, 28(22), 7585
53	Recent advancements of nitric oxide-releasing hydrogels for wound dressing applications	Journal of Pharmaceutical Investigation	2023, 53(6), 781-801
54	Propolis-Based Nanostructured Lipid Carriers for α -Mangostin Delivery: Formulation, Characterization, and In Vitro Antioxidant Activity Evaluation	Molecules	2023, 28(16), 6057
55	Chitosan-Based Nano-Smart Drug Delivery System in Breast Cancer Therapy	Pharmaceutics	2023, 15(3), 879
56	Application of Amniotic Membrane in Skin Regeneration	Pharmaceutics	2023, 15(3), 748
57	Recent overview of kaffir lime (<i>Citrus hystrix</i> DC) dual functionality in food and nutraceuticals	Journal of Agriculture and Food Research	2024, 18, 101384
58	Polymeric Nanohydrogel in Topical Drug Delivery System	International Journal of Nanomedicine	2024, 19, 2733-2754
59	Nanosuspension-Based Drug Delivery Systems for Topical Applications	International Journal of Nanomedicine	2024, 19, 825-844
60	The efficacy of herbal medicines on the length of stay and negative conversion time/rate outcomes in patients with COVID-19: a systematic review	Frontiers in Pharmacology	2024,15, 1383359
61	Nanoparticle-Based Drug Delivery Systems Enhance Treatment of Cognitive Defects	International Journal of Nanomedicine	2024, 19, 11357-11378
62	A Comprehensive Review of the Strategies to Reduce Retinoid-Induced Skin Irritation in Topical Formulation	Dermatology Research and Practice	2024, 2024, 5551774
63	α -Mangostin hydrogel film with chitosan alginate base for recurrent aphthous stomatitis (RAS) treatment: study protocol for double-blind randomized controlled trial	Frontiers in Pharmacology	2024, 15, 1353503
64	The Formulation and Characterization of Wound Dressing Releasing S-Nitrosoglutathione from Polyvinyl Alcohol/Borax Reinforced Carboxymethyl Chitosan Self-Healing Hydrogel	Pharmaceutics	2024, 16(3), 344
65	Propolis as an autophagy modulator in relation to its roles in redox balance and inflammation regulation	Biomedicine and Pharmacotherapy	2024, 175, 116745
66	Drug Loading in Chitosan-Based Nanoparticles	Pharmaceutics	2024, 16(8), 1043

67	Alginate and Chitosan-Based Hydrogel Enhance Antibacterial Agent Activity on Topical Application	Infection and Drug Resistance	2024, 17, 791-806
68	Natural and Synthetic Drugs Approached for the Treatment of Recurrent Aphthous Stomatitis Over the Last Decade	Drug Design, Development and Therapy	2024, 18, 1297-1312
69	Updating the Pharmacological Effects of α -Mangostin Compound and Unraveling Its Mechanism of Action: A Computational Study Review	Drug Design, Development and Therapy	2024, 18, 4723-4748
70	Chitosan/Alginate-Based Nanoparticles for Antibacterial Agents Delivery	International Journal of Nanomedicine	2024, 19, 5021-5044
71	Advancements and Challenges of Nanostructured Lipid Carriers for Wound Healing Applications	International Journal of Nanomedicine	2024, 19, 8091-9113
72	A Comprehensive Review of Stem Cell Conditioned Media Role for Anti-Aging on Skin	Stem Cells and Cloning: Advances and Applications	2024, 17, 5-9
73	Alginate-Based Hydrogels with Amniotic Membrane Stem Cells for Wound Dressing Application	Stem Cells and Cloning: Advances and Applications	2025, 18, 1-13
74	Current Status of Gout Arthritis: Current Approaches to Gout Arthritis Treatment: Nanoparticles Delivery Systems Approach	Pharmaceutics	2025, 17(1), 102

See more at <https://www.scopus.com/authid/detail.uri?authorId=55520893400>

F. Pengalaman Penulisan Buku

No	Judul Buku	Tahun	ISBN	Penerbit
1	Menembus Jurnal Internasional Bereputasi untuk Peneliti Pemula	April, 2017	9786024018849	Deepublish
2	Karakterisasi Sediaan Padat	2019	9786024754211	Deepublish
3	Karakterisasi Sediaan Cair	2019	9786024753184	Deepublish
4	Cegah kanker payudara sejak dini	2019	9786024396275	Unpad Press
5	Panduan penerapan adaptasi kebiasaan baru	2020	9786024399429	Unpad Press
6	Pengobatan terkini ulkus diabetikum : bahan herbal hingga sediaan nanopartikel	2020	9786230219955	Deepublish

See more at <https://sinta.kemdikbud.go.id/authors/profile/257765>

G. Narasumber Seminar

1. Seminar dan Kongres Nasional Ikatan sarjana Farmasi Indonesia, Jakarta, Indonesia, 2009
2. 1st Pharmaceutical Sciences and Exhibition, Penang, Malaysia, 2009
3. International Seminar on Jamu, Bandung Indonesia, 2010

4. The 1st International Symposium on Sacran, Kitakyushu, Japan, November 2015
5. The 8th Asian Cyclodextrin Conference, Kumamoto, Japan, Mei 2015
6. Academy of Pharmaceutical Science and Technology, Japan (APSTJ) Global Education Seminar, Kumamoto, Japan, Agustus 2015
7. The 8th Sacran Conference, Kumamoto, Japan, Agustus 2016
8. The 33rd Pharmaceutical Society of Japan, Kyushu Branch, December 2016
9. 9th Asian Cyclodextrin Conference, Singapore, December 2017
10. Seminar Nasional Kefarmasian dan Pekan Akademik 2019, 15 September 2019, Palu, Universitas Tadulako
11. Webinar dan Rakercab PC IAI Kabupaten Gunung Mas, 19 Desember 2020, Kalimantan Tengah
12. the 2nd International Conference & Exhibition on Powder Technology Indonesia (ICePTi) 2019 (Poster Presenter) , Best Western Premier Hotel, Solo Baru, Jawa Tengah
13. The 3rd Postgraduate Seminar on Pharmaceutical Sciences, UNPAD - UAD – UP, Virtual Zoom, 3 September 2020, (Poster Presenter)
14. The 4th International Seminar on Pharmaceutical Science and Technology, Fakultas Farmasi Universitas Padjadjaran, Virtual Zoom, 27-28 Oktober 2020 (Poster Presenter)
15. The 5th International Conference on Advance Pharmacy and Pharmaceutical Sciences (ICAPPS), Faculty of Pharmacy, Universitas Indonesia, Virtual Zoom, 21-22 Oktober 2021 (Oral Presenter)
16. The biennial International Conference on Drug Discovery and Translational Medicine (ICDDTM), Malaysia, 4-8 December 2023 (Oral Presenter)
17. FIP Brisbane 2023, 81ST FIP WORLD CONGRESS OF PHARMACY AND PHARMACEUTICAL SCIENCES, Australia, 24-28 September 2023, (Poster Presenter)

H. Pengalaman Perolehan HKI

1. Hak Cipta Buku : Karakterisasi Sediaan Padat, 2019, EC00201947669
2. Hak Cipta Buku : Karakterisasi Sediaan Cair, 2019, EC00201939533
3. Hak Cipta Merk : Exc Sol UP, 2019, DID2019007072
4. Paten Sederhana : FILM HIDROGEL MUKOADHESIF NATRIUM ALGINAT-KITOSAN UNTUK OBAT SARIAWAN MULUT Reccurent APHTHOUS STOMATIS, 2020, S00202008134
5. Paten Sederhana : SEDIAAN FILM HIDROGEL α -MANGOSTIN BERBASIS ALGINAT-KITOSAN UNTUK SARIAWAN (RECURRENT APHTHOUS STOMATITIS), 2023, IDS000006233
6. Paten Sederhana : Pengantaran Obat Baru: Nanopartikel Kitosan-hEGF Menggunakan Metode Gelasi Ionik Yang Distabilisasi Polietilen Glikol (PEG) 5 Sebagai Penyembuh Luka Ulkus Diabetikum, 2021, S00202100098
7. Paten Sederhana : Spray Pembentuk Film dari Kitosan Larut Air Yang Mengandung hEGF Tersalut Liposome Sebagai Terapi Ulkus Diabetikum, 2021, S00202101310
8. Hak cipta merk Ulceosan (DID2023073580)
9. Hak cipta merk Ulceostin (DID2023073582)
10. Hak cipta merk Majalah Farmasetika (JID2023065709)
11. Hak cipta merk InaTTi (JID2020069107)

I. Penghargaan yang Pernah Diraih

No	Jenis Penghargaan	Institusi Pemberi Penghargaan	Tahun

1	Oral presenter award	Academy of Pharmaceutical Science and Technology, Japan (APSTJ) Global Education Seminar	Kumamoto, Japan, 11/12, 2015
2	Best Poster Award	Pekan Ilmiah Tahunan Ikatan Apoteker Indonesia	Pekanbaru, 2018
3	Best Poster Award	Pekan Ilmiah Tahunan Ikatan Apoteker Indonesia	Bandung, 2019
4	Satyalancana Karya Satya	Universitas Padjadjaran	Bandung, 2022
5	Top 2% World Scientist 2024	Elsevier	2024
6	Plester Sariawan Inovatif berbasis Film Hidrogel Alginat dan Kitosan termasuk kedalam 116 Karya Inovasi Indonesia Paling Prospektif 2024	Business Inovation Center	2024

J. Pengalaman Organisasi

1. Pengurus Daerah Ikatan Apoteker Indonesia Jawa Barat, 2018-2022, 2022-2026.
2. Kolegium Ilmu Farmasi Indonesia, 2019-2022