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/IVa
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 Teleponp/Fax/HP	
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://sites.unpad.ac.id/nasrul
15	SINTA	https://sinta.ristekbrin.go.id/authors/detail?id=257765&view=overview
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	2006-sekarang
2	Ketua Program Studi Sarjana Farmasi, Fakultas Farmasi, Unpad	2021-sekarang
3	Deputi IT, Institut Pembangunan Jawa Barat (Injabar) Unpad	2020-sekarang
4	Ketua Unit Internasional, Fakultas Farmasi, Unpad	2020-2021
5	Manajer Akademik dan Kemahasiswaan, Fakultas Farmasi, Unpad	2019-2020

D. Pengalaman Penelitian

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

6	2017-2019	Pengembangan Sacran Hidrogel Film Sebagai Biomaterial Baru untuk Terapi Regeneratif pada Luka Diabetes Tahun 1	Riset Fundamental Unpad	191.850.000
7	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
8	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
9	2010	Pengaruh Propilenglikol terhadap Laju Difusi Krim Etil Vitamin C	DIPA Unpad	10.000.000
10	2009	Pemanfaatan Getah Pohon Pisang dan Lendir Lidah Buaya Sebagai Sediaan Obat Untuk Luka Baka	Hibah Strategi Nasional DIKTI	110.000.000
11	2007	Efektivitas Lesitin sebagai Emulgator dalam Sediaan Emulsi Minyak	DIPA Unpad	10.000.000

E. Pengalaman Penulisan Artikel Ilmiah

No	Title	Journal	Volume/No/Year
1	Effect of Iontophoresis and Penetration Enhancers on The In Vitro Diffusion Of A Piroxicam Gel	International Journal of Pharmacy and Pharmaceutical Sciences	2012, 4(4), pp. 215–218
2	Measurement of Uric Acid Level In Vivo by Reverse Iontophoresis.	International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)	2013; 4(3); 319-324
3	Characterization and Optimization of Natural Maltodextrin-based	Niosome. J App Pharm Scie.	Volume: 3, Issue: 7, July, 2013. DOI: 10.7324/JAPS.2013.3712.
4	A survey of consumer expectation in community pharmacies in Bandung	Indonesia. J App Pharm Scie.	DOI: 10.7324/JAPS.2014.40114; 2014;4(1);084-090
5	Determination of uric acid level by polyaniline and poly (allylamine): Based biosensor	J Adv Pharm Technol Res	DOI:10.4103/2231-4040.126981; 2014;5(1);13-16

6	Biosensor for Uric Acid Determination Based on Combination of Polypyrrole and Poly(allylamine) Films	J Young Pharm.	doi:10.5530/jyp. 2014.1.72014; 6(1):39-41
7	Physically crosslinked-sacran hydrogel films for wound dressing application.	International Journal of Biological Macromolecules,	Volume 89, August 2016, Pages 465-470.
8	Enhancing effect of γ-cyclodextrin on wound dressing properties of sacran hydrogel film	International Journal of Biological Macromolecules,	Volume 94, Part A, January 2017, Pages 181–186.
9	Enhancement of curcumin wound healing ability by complexation with 2-hydroxypropyl-γ-cyclodextrin in sacran hydrogel film	Journal of Biological Macromolecules,	Volume 98, May 2017, Pages 268-276.
0	Accelerated wound healing ability of sacran hydrogel film by keratinocyte growth factor in alloxan-induced diabetic mice	International Journal of Applied Pharmaceutics	2018, 10(2), pp. 57–61
1	Application and characterization of in situ gel	International Journal of Applied Pharmaceutics	2018, 10(6), pp. 34–37
12	Repellent Activity of Essential Oils from Cananga odorata Lamk. and Cymbopogon nardus L. on Corn Starch-Based Thixogel.	Journal of Young Pharmacists,	2018; 10(2s):S118-S123.
3	A Review on Herbal Cosmetics In Indonesia	International Journal of Applied Pharmaceutics.	Vol 10, Issue 5 (Sep-Oct), 2018 Page: 13-16
4	Evolution of Contraceptive Implants: A Review.	International Journal of Applied Pharmaceutics.	Vol 10, Issue 6 (Nov-Dec), 2018
5	Garcinia mangostana extract enhances skin epithelialization in rat induced burn injury	Pakistan Veterinary Journal	2019, 39(3), pp. 365–370
6	Insights of phytoconstituents and pharmacology activities of Salacca plants	Journal of Applied Pharmaceutical Science	2019, 9(10), pp. 121–124
7	Host-Guest Interactions of α- Mangostin with (α, β, γ)- Cyclodextrins: Semi-Empirical Quantum Mechanical Methods of PM6 and PM7	Journal of Young Pharmacist	Journal of Young Pharmacists 11 (1), 31, 2019
8	Fabrication of Native and Enzymatically Modified Durian Seed (Durio zibethinus Murr.) Starch	Indonesian Journal of Pharmaceutics	Indonesian Journal of Pharmaceutics 1 (2), 1-6, 2019
9	Sacran Hydrogel Film Containing Keratinocyte Growth Factor Accelerates Wound Healing by Stimulating Fibroblast Migration and Re-epithelization	Chemical and Pharmaceutical Bulletin,	2019, Volume 67, Issue 8, Pages 849-854, Released August 01, 2019
0	Application and characterization of in situ gel	International Journal of Applied Pharmaceutics	10(6), pp. 34-37, 2019
1	Advances in orally targeted drug delivery to colon	Journal of Advanced Pharmaceutical Technology and Research	10(3), pp. 100-106, 2019
2	Characterization and antioxidant activity of pectin from Indonesian mangosteen (Garcinia mangostana L.) rind	Heliyon	Heliyon 5(8),e02299, 2019
3	Formulation and characterization of mangostin in chitosan nanoparticles coated by sodium alginate, sodium silicate, and polyethylene glycol	Journal of Pharmacy and Bioallied Sciences	11(8), pp. S619-S627, 2019

24	Optimization of secreted recombinant human epidermal growth factor production using pectate lyase B from Escherichia coli BL21(DE3) by central composite design and its production in high cell density culture	Journal of Pharmacy and Bioallied Sciences	11(8), pp. S562-S566, 2019
25	Kahar method: A novel calculation method of tonicity adjustment	Journal of Pharmacy and Bioallied Sciences	11(8), pp. S635-S649, 2019
26	α-mangostin hydrogel film based chitosan-alginate for recurrent aphthous stomatitis	Applied Sciences (Switzerland)	9(23),5235, 2019
27	Nanoparticle drug delivery systems for α-mangostin	Nanotechnology, Science and Applications	13, pp. 23-36, 2020
28	The effectiveness of postoperative antibiotics following appendectomy in pediatric patients: A cost minimization analysis	Open Public Health Journal	13(1), pp. 80-86, 2020
29	Epidermal growth factor in sacran hydrogel film accelerates fibroblast migration	Journal of Advanced Pharmaceutical Technology and Research	11(2), pp. 74-80, 2020
30	Synthesis of nano-α mangostin based on chitosan and Eudragit S 100	Journal of Advanced Pharmaceutical Technology and Research	11 (3), 95, 2020
31	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
32	Enhancement of α-Mangostin Wound Healing Ability by Complexation with 2-Hydroxypropyl-β-Cyclodextrin in Hydrogel Formulation	Pharmaceuticals	13 (10), 290, 2020
33	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
34	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
35	Enteric-coated strategies in colorectal cancer nanoparticle drug delivery system	Drug Design, Development and Therapy	2020, 14, pp. 4387–4405
36	Film-forming sprays for topical drug delivery	Drug Design, Development and Therapy	2020, 14, pp. 2909–2925
37	Corrigendum to “Characterization and antioxidant activity of pectin from Indonesian mangosteen (Garcinia mangostana L.) rind” (Heliyon (2019) 5(8), (S2405844019359596), (10.1016/j.heliyon.2019.e02299))	Heliyon	2020, 6(1), e03074

38	Characterization and acute oral toxicity of concentrated minerals of Pamekasan Madura seawater	Journal of Advanced Pharmaceutical Technology & Research	2021, 12(3), pp. 305–309
39	A Comprehensive Review on Ulvan Based Hydrogel and Its Biomedical Applications	Chemical and Pharmaceutical Bulletin	2021, 69 (5), 432-443
40	The Use of Megamolecular Polysaccharide Sacran in Food and Biomedical Applications	Molecules	2021, 26 (11), 3362
41	Chitosan-Based Nanoparticles of Targeted Drug Delivery System in Breast Cancer Treatment	Polymers	2021, 13 (11), 1717
42	The Potential Cytotoxic Activity Enhancement of α-Mangostin in Chitosan-Kappa Carrageenan-Loaded Nanoparticle against MCF-7 Cell Line	Polymers	2021, 13 (11), 1681
43	Telepharmacy: A Potential Alternative Approach for Diabetic Patients During the COVID-19 Pandemic	Journal of Multidisciplinary Healthcare	Volume 2021:14 Pages 2261—2273
44	Evolution of drug delivery systems for recurrent aphthous stomatitis	Drug Design, Development and Therapy,	2021, 15, pp. 4071–4089
45	Development and characterization of ulvan polysaccharides-based hydrogel films for potential wound dressing applications	Drug Design, Development and Therapy,	2021, 15, pp. 4213–4226
46	α-Mangostin nanoparticles cytotoxicity and cell death modalities in breast cancer cell lines	Molecules	2021, 26(17), 5119
47	α-Mangostin/γ-Cyclodextrin Inclusion Complex: Formation and Thermodynamic Study	Polymers	2021, 13(17), 2890
48	Film-forming spray of water-soluble chitosan containing liposome-coated human epidermal growth factor for wound healing	Molecules	2021, 26(17), 5326
49	The potential interaction of ethionamide-thyroid hormone receptor induces hypothyroidism	Pharmacognosy Journal	2021, 13(5), pp. 1174–1179
50	Mesenchymal stem cell secretome for dermatology application: A review	Clinical, Cosmetic and Investigational Dermatology	2021, 14, pp. 1401–1412
51	Nanoformulations of α-mangostin for cancer drug delivery system	Pharmaceutics	2021, 13(12), 1993
52	Compares mRNA and Adenovirus-Based SARS-CoV-2 Vaccines	International Journal of Applied Pharmaceutics	2021, 13(special issue 4), pp. 77–82
53	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
54	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
55	Drug release study of the chitosan-based nanoparticles	Heliyon	2022, 8(1), e08674
56	The Future Prospective: Potential Magnesium and Calcium for Detracting Side Effect Cisplatin	Research Journal of Pharmacy and Technology	2022, 15(1), pp. 481–488
57	Liposome-polymer complex for drug delivery system and vaccine stabilization	Heliyon	2022, 8(2), e08934

58	Polymeric Hydrogels as Mesenchymal Stem Cell Secretome Delivery System in Biomedical Applications	Polymers	2022, 14(6), 1218

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

G. Pengalaman Perolehan HKI

1. Hak Cipta Buku : Karakterisasi Sedian 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 MULUTReccurent APHTHOUS STOMATIS, 2020, S00202008134
5. Paten Sederhana : Penghantaran Obat Baru: Nanopartikel Kitosan-hEGF Menggunakan Metode Gelasi Ionik Yang Distabilisasi Polietilen Glikol (PEG) 5 Sebagai Penyembuh Luka Ulkus Diabetikum, 2021, S00202100098
6. Paten Sederhana : Spray Pembentuk Film dari Kitosan Larut Air Yang Mengandung hEGF Tersalut Liposome Sebagai Terapi Ulkus Diabetikum, 2021, S00202101310

H. Pengharagaan 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