



DATA PUBLIKASI – 2014



Publikasi dalam Jurnal Nasional Terakreditasi

| No | Judul Artikel | Penulis | Jurnal Yang Dituju | Status |
|----|--|---|---------------------------------------|-----------------------------------|
| 1 | Inhibition Kinetics Of <i>Sida rhombifolia</i> L. Extract Toward Xanthine oxidase By Electrochemical Method | Dyah Iswantini, Muammar Yulian, Sri Mulijani, Trivadila. | Indonesia Journal of Chemistry | Terbit: 14 (1): 71-77. |
| 2 | Daun Ki Pahit (<i>Tithonia diversivolia</i>) sebagai Sumber Antibakteri dan Antioksidan | Wulan Tri Wahyuni, Ade Suherman, Irmanida Batubara | Jurnal Bahan Alam Indonesia | Terbit 8(5):350-356 |
| 3 | <i>Sansevieria trifasciata</i> Prain properties as Pb(II) Ions biosorbent | Lela Mukmilah Yuningsih, Irmanida Batubara | Jurnal Sains Makara | Terbit Makara J. Sci. 18(2):59-64 |
| 4 | Optimization of Extracton Conditions for Andrographolide using Fractional Factorial Design | M. Rafi, LK Darusman, ES Nurasih, UD Syafitri | Jurnal Farmasi Indonesia | Terbit 25(3)145-152 |
| 5 | Optimization And Validation High Performance Liquid Chromatographic Fingerprint Of <i>Phyllanthus Niruri</i> | Wulan Tri Wahyuni, Latifah K. Darusman, Aji Hamim Wigena | Indonesian Journal of Chemistry | Online first Vol. 14, No. 2 |
| 6 | Reflectance Estimation of Belanda leaf based on Digital Image Colour using Forier Transformation | Dhieka Avria Lantana, Yeni Herdiyeni, Irmanida Batubara | Jurnal Telekomunika | Terbit 12(9):6958-6964 |
| 7 | Laju Pertumbuhan dan Produksi Jintan Hitam (<i>Nigella sativa</i> L.) dengan Aplikasi Pupuk Kandang dan Fosfat Alam | Taopik Ridwan, Munif Ghulamahdi, dan Ani Kurniawati | Jurnal Agronomi Indonesia | Terbit 42 (2):159-166 |
| 8 | Identifikasi dan Autentikasi Jahe Merah Menggunakan Kombinasi Spektroskopi FTIR dan Kemometrik | Edy Djauhari, M. Rafi, Utami Dyah S., Waras N., M. A. Zaim A. | Agritech | Terbit 34(1):82-87 |
| 9 | Uji Kinerja Fotometer Sebagai Alat Ukur Kecerahan Warna Kulit Menggunakan Pendekatan Analisis Komponen Utama Dan Kuadrat Terkecil Parsial | Aryo Tedjo, Rudi Heryanto, Frengki Siburian | Makara Kesehatan Seri | Proses review |
| 10 | Pengembangan Metode Isolasi Brazilin dari Kayu Secang (<i>Caesalpinia sappan</i>) | Wulan Tri W, Irmanida Batubara, Boris Yesaya | Jurnal Kimia Terapan Indonesia | Proses review |
| 11 | Isolasi dan Karakterisasi Senyawa Antimikroba dari Ekstrak Butanol Isolat Aktinomisetes Tanah Asal Kalimantan Timur | Nurlaila, Irmanida Batubara, Bambang Marwoto | Jurnal Ilmiah Farmasi | Proses review |
| 12 | Efek Minyak Atsiri Rimpang Kencur (<i>Kaempferia galanga</i>) Terhadap Aktivitas Syaraf Simpatetik di Jaringan Adiposa Coklat Tikus Wistar | S. Sadih, I. Batubara, T.Mitsunaga, L.K Darusman | Jurnal Artocarpus | Proses review |
| 13 | Poten Silimbah Kulit Buah <i>Xylocarpus granatum</i> Sebagai Inhibitor Tirosinase Baru | Mohamad Gazali, Neviaty P. Zamani, dan Irmanida Batubara | Jurnal Ilmu Teknologi Kelautan Tropis | Proses review |



| | | | | |
|----|---|--|-----------------------------|---------------|
| 14 | Klasifikasi Geografis Kumis Kucing (<i>Orthosiphon stamineus</i>) Asal Pulau Jawa menggunakan Kombinasi Spektroskopi FTIR Dan Analisis Variat Kanonis | Edy Djauhari Purwakusumah, Mohamad Rafi, Taopik Ridwan, Baba Barus, Atang Sutandi, Latifah Kosim Darusman | Agritech | Proses review |
| 15 | Aktivitas Antijerawat Formula Campuran Meniran dan Temu Lawak serta Aktivitas Inhibisinya terhadap Katalase <i>Staphylococcus aureus</i> | Listiani Nurul Susanti, Anggia Murni, Wulan Tri W, Latifah K Darusman | Jurnal Bahan Alam Indonesia | Manuskrip |
| 16 | Optimasi Proses Ekstraksi Bahan - Bahan Minuman Fungsional Berbasis Pegagan Yang Berpotensi Sebagai Inhibitor Xantin Oksidase | C. Hanny Wijaya, Susi Indariani, Sarah Lubna | Jurnal Agritech | Manuskrip |



Publikasi dalam Jurnal Nasional Belum Terakreditasi

| No | Judul Artikel | Penulis | Jurnal Yang Dituju | Status |
|----|---|---|--------------------------------|--------------------|
| 1 | Penentuan Kadar Flavonoid Total dalam Obat Herbal Menggunakan Spektrofotometri Derivatif Ultraviolet | M. Rafi, Z. Arif | Jurnal Sains dan Terapan Kimia | Terbit 8(1):1-9 |
| 2 | Simulasi Docking Senyawa Kurkumin dan Analognya Sebagai Inhibitor Reseptor Androgen pada Kanker Prostat | Arwansyah, L.Ambarsari, T.Sumaryada | Jurnal Current Biochemistry | Terbit 1(1):11-19 |
| 3 | Simulasi Docking Kurkumin Enol, Bisdemetoksikurkumin Dan Analognya Sebagai Inhibitor Enzim 12-Lipoksigenase | G.Syahputra, L.Ambarsari, T.Sumaryada | Jurnal Biofisika | Terbit 1(10):55-67 |
| 4 | Analisa Pasangan Jembatan Garam Residu Glu15-Lys4 Pada Kestabilan Termal Protein 1GB1 | K.N. Sawitri, T. Sumaryada, L.Ambarsari | Jurnal Biofisika | Terbit 1(10):68-74 |
| 5 | Efektivitas Sediaan Emulsi Ekstrak Daun Mangkokan (Northopanax Scutellarius (Burm.F)Merr) Sebagai Perangsang Pertumbuhan Rambut | Siti Sa'diah, Nina Herlina dan Dwi Indriati | Jurnal Fitofarmaka | Proses Review |
| 6 | Ekstrak Alkaloid Daun ubi Jalar Ungu Sebagai Inhibitor α -Glukosidase | Diah Daru, Irmanida B., Irma H. Suparto | Jurnal Sains dan Matematika | Submitted |
| 7 | Toksitasitas dan Aktivitas Antibakteri Streptococcus mutans Ekstrak Air-Etanol Daun Sirih (<i>Piper betle</i>) dan Daun Saga (<i>Abrus precantorius</i>) serta Kombinasinya | Nunuk KN, Waras N., Febi I | Jurnal Jamu Indonesia | Manuscript |



Publikasi dalam Jurnal Internasional

| No | Judul Artikel | Penulis | Jurnal Yang Dituju | Status |
|----|---|---|---|---------------------------------------|
| 1 | Activity and stability of uricase from <i>Lactobacillus plantarum</i> was Immobilized on Natural Zeolite for Uric Acid Biosensor | Dyah Iswantini, Novik Nurhidayat, Trivadila, Okik widyatmoko | Pakistan Journal of Biological Science | 17(2):277-281 |
| 2 | KNAPSAck Metabolite Activity Database for Retrieving the Relationships Between Metabolites and Biological Activities | Yukiko Nakamura, Farit Mochamad Afendi, Aziza Kawsar Parvin, Naoaki Ono, Ken Tanaka, Aki Hirai Morita, Tetsuo Sato, Tadao Sugiura, Md. Altaf-Ul-Amin and Shigehiko Kanaya | Plant and cell Physiology | 55(1):e7(1-9) |
| 3 | Synthesis of quercetin glycosides and their melanogenesis acceleration activity in B16 melanoma cells. | Kosei Yamauchi, Tohru Mitsunaga, Irmanida Batubara. | Bioorganic and Medicinal Chemistry | 22(3):937-944 |
| 4 | Antihyperglycemic activity of functional drinks based on Java Tea (<i>Orthosiphon aristatus</i>) in streptozotocin induced diabetic mice | Susi Indariani, Hanny Wijaya, Min Rahminiwati, M Wien Winarno | International Food Research Journal | Vol.21(1):349-355 |
| 5 | <i>Intsia palembanica</i> Wood Extracts and its Isolated Compounds as Propionibacterium acnes lipase inhibitor | Irmanida Batubara, Harlinda Kuspradini, Ali Mahmoud Muddathir, Tohru Mitsunaga, | Journal of Wood Science | Vol.60, Issue 2: 169-174 |
| 6 | Supervised Clustering Based On Dpcluso: Prediction Of Plant-Disease Relations Using Jamu Formulas Of Knapsack Database | Sony Hartono Wijaya, Husnawati Husnawati, Farit Mochamad Afendi, Irmanida Batubara, Latifah K. Darusman, Altaf-Ul-Amin, Tetsuo Sato, Naoaki Ono, Tadao Sugiura and Shigehiko Kanaya | BioMed Research International | Volume 2014 (2014), Article ID 831751 |
| 7 | Sambiloto (<i>Andrographis paniculata</i> Ness.) and Temulawak (<i>Curcuma xanthorrhiza</i> Roxb) Inhibit Production of Immunoglobulin G Antinuclear antibodies (IgG ANA) in Induced-SLE Mice | Kusmardi, Aryo Tedjo, Rudi Heryanto, Fadilah | African Journal of Traditional, Complementary and Alternative medicines | 60(2):169-174 |
| 8 | Identification of Endophytic Actinomycetes from Indonesian Rice Plant Based on 16S rRNA and nifH genes Analyses | Wahyu Eka Sari, Dedy Duryadi Solihin, Yulin Lestari | Advances in Environmental Biology, | 8(7) Pages: 2357-2365 May 2014, |
| 9 | Effect Of Sniffing Of Kencur (<i>Kaempferia galangal</i>) Essential Oils In Rats . | Batubara, I.I., Assaat, L.D., Irawadi, T.T., Mitsunaga, T. and Yamauchi, K. | Acta Hort. (ISHS) | 1023:123-127 |
| 10 | Fractionation Of Active Components From Piper cf. Fragile Essential Oil | Darusman, L.K., Batubara, I.I. and Utami, M.R | Acta Hort. (ISHS) | 1023:23-28 |



As Aromatherapy For Anti-Obesity

| | | | | |
|----|--|--|--|-------------------------------|
| 11 | The cellular mechanism of the cytotoxic effect of flavonoid extracts from <i>Syzygium polyanthum</i> leaves | Sulistiyani, Syamsul F, Wulan TW, Takuya S, Sanro T.Syaefudin | American Journal of Drug Discovery and Development | 4(2):90-101 |
| 12 | Toxicity, Anticancer And Antioxidant Activity Of Extracts From Marine Bacteria Associated With Sponge <i>Jaspis</i> Sp. | Annisa Wulan Agus Utami, Aris Tri Wahyudi, And Irmanida Batubara | Journal Pharma and Bio Science | 5(4):917-923 |
| 13 | The Curcuminoids Extract of <i>Curcuma xanthorrhiza</i> RoxB. Loaded Solid Lipid Nanoparticles | Laksmi Ambarsari, Waras Nurcholis, Latifah K. Darusman, Muslih Abdul Mujib, Rudi Heryanto | International Journal of Science and Research | (3)10:852-856 |
| 14 | FTIR Spectroscopy combined with Chemometrics for discrimination of <i>Curcuma longa</i> , <i>Curcuma xanthorrhiza</i> and <i>Zingiber Cassumunar</i> | M.Rafi, LK Darusman, ES Nurasih, UD Syafitri | Spectrochimia Acta Part A | 137:1244-1249 Feb 2015 |
| 15 | Essential Oil of Red Galangal (<i>Alpinia galanga</i> (L) Willd) Rhizomes as Slimming Aromatherapy | Rizki Damayanti, Irmanida Batubara, and Irma Herawati Suparto | International Journal Pharma and Bio Science | 6(1)(p)283-289 terbit 2015 |
| 16 | Bioactive Compound Screening of ANA Suppression in <i>Sambiloto</i> (<i>Andrographis paniculata</i> Ness.) through NFkB Inhibition using Molecular Docking Assessment | AryoTedjo, Fadilah, Kusmardi, Rudi Heryanto | Research Journal of Phytochemistry | Proses review |
| 17 | A Simple Photometer and Chemometric Techniques for Quality Control of Herbal Raw Materials | Rudi Heryanto, AryoTedjo, Latifah K. Darusman, Derry Permana | Research Journal of Medicinal Plant | Proses review |
| 18 | Glucose Biosensor using Glucose Dehydrogenase Flavin Adenine Dinucleotide Based on Natural Zeolite Nanoparticles for Immobilization by Electrochemical Method | Dila, Latifah K Darusman, Dyah Iswantini | Turkish Journal of Chemistry | Proses Review |
| 19 | Authentication and discrimination of <i>Curcuma xanthorrhiza</i> from <i>Curcuma longa</i> by curcuminoids content and high performance liquid chromatography fingerprint analysis | Mohamad Rafi, Laela Wulansari, Rudi Heryanto, Latifah Kosim Darusman, Lee Wah Lim, Toyohide Takeuchi | Journal of Pharmaceutical and Biomedical Analysis | Proses Review |
| 20 | Potency of Cajuputs Candy on Maintaining The Competitive Capacity of <i>Streptococcus sanguinis</i> upon <i>Streptococcus mutans</i> | Bernedetta Ratna Ekasari,C. Hanny Wijaya,Boy Muchlis Bachtiar | Jornal of Essential Oil Research | Proses review |
| 21 | Inhalation of Citronela oil and Related Coumpounds and Their Effects on Rat's Body Weight and Brown Adipose Tissue Sympathetic | Irmanida B.,Irma H Suparto, Siti Sa'diah, R. Matsuoka, T.Mitsunaga | Nutrient | Proses review |



Nerve Activity

| | | | | | |
|----|--|--|-----------------------------------|--|---------------|
| 22 | Bioactivity and Flavor Properties of the Exotic Spice Andaliman (<i>Zanthoxylum acanthopodium</i> DC) | Wijaya, Karnady, Napitupulu, Indariani, Susi | Christofora; Vanessa; Florentina; | Journal of Agricultural and Food Chemistry | Proses review |
| 23 | Potency of Tyrosinase Inhibitor and Antioxidant agent from <i>Xylocarpus granatum</i> | Neviati Zamani, M. Gazali, Irmanida Batubara | | American Journal of Agricultural and Biological Sciences | Proses review |