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Dr. Limantara dikenal di komunitas sains di Indonesia sebagai peneliti klorofil dan karotenoid, yang mempopulerkan fungsi pigmen alami ini untuk pangan fungsional dan kesehatan dengan konsep “*kembali ke alam*”. Dr. Limantara aktif terlibat sebagai pakar, ketua asosiasi profesi, trainer internasional dan narasumber dalam pengembangan kapasitas peneliti dan tata kelola Pendidikan Tinggi di berbagai kegiatan Kementerian Riset, Teknologi dan Pendidikan Tinggi (KEMENRISTEKDIKTI), Koordinasi Perguruan Tinggi Swasta (KOPERTIS), Kementerian Kelautan dan Perikanan, dan Kementerian

Perindustrian. Yang bersangkutan aktif menjadi trainer pelatihan peningkatan kapasitas peneliti muda di ASEAN (Thailand, Vietnam, Myanmar, Malaysia). Dr. Limantara telah menerima beberapa penghargaan termasuk sebagai dosen berprestasi nasional ke-2 (2004), dosen berprestasi pertama di Kopertis VI (2004), Penghargaan Sains dan Teknologi Toray ke-11 (2005) dari Indonesia Toray Science Foundation-Toray Industries Japan, program khusus DAAD Bioscience Jerman (2001), Humboldt fellowship (2004), sebagai Duta Sains Humboldt Foundation Jerman untuk Indonesia (2011-2017) dan *regional expert* serta trainer DIES NMT ProGRANT (2014 – sekarang) untuk wilayah ASEAN. Dr Limantara adalah rektor pertama Universitas Ma Chung, Malang (2007-2015) yang telah berhasil membuat universitas Ma Chung masuk dalam jajaran Kampus Unggulan Jawa Timur pada masa kepemimpinannya. Sekarang Dr. Limantara adalah rektor di Universitas Pembangunan Jaya (2015-2019) dan Wakil Ketua APTISI IVB Banten. Sebagai trainer, Dr. Limantara telah mengikuti berbagai pelatihan internasional antara lain International Deans 'Course (IDC) 2012-2013, AUN QA training (2013), ToT DIES ProGRANT (2014) dan ToT DIES NMT (2017).

Pendidikan dan Persiapan Profesional

Univ. Kristen Satya Wacana	Indonesia	Biologi	Dra	1985-1990
Kwansei Gakuin University	Jepang	Kimia Fisik	M.Sc.	1991-1994
Kwansei Gakuin University	Jepang	Kimia Fisik	Ph.D	1994-1998
Munich University	Jerman	Biokimia	Postdoctoral	2001, 2004

Beasiswa, Hibah dan Penghargaan

2017	Chairperson, Humboldt Kolleg from Alexander von Humboldt Foundation, Germany
2017	Certified PPA practitioner from Thomas International's Personal Performance Analysis (PPA) for human resources.
2016	Science and Technology for the Innovation and Creativity in Campus No. 0299/E3/2016 (Second Year)
2016	Excellence Research for the National Strategy Grant No. 0581/E3/2016 (First Year)
2015	Science and Technology for the Innovation and Creativity in Campus No. 043/SP2H/P/K7/KM/2015 (First Year)
2015	InSiNas Applied Research Number 147/M/Kp/IV/2015, 9 April 2015, RISTEK (Third Year)
2015	DIES Academic workshop: The development of mobile learning content for the ProGRANT course, Cologne University, Germany
2015	National Strategic Grant No. 048/SP2H/P/K7/KM/2015, DIKTI (third Year)
2014	International Collaboration Grant (Third year), No. 040/SP2H/P/K7/KM/2014
2014	InSiNas Applied Research Number 288/M/Kp/XII/2013, 17 December 2013, RISTEK (Second Year)
2014	DIES workshop on Enhancing Academic Capacity Building in The Global South: DIES Proposal Writing Courses for Research Project, Cologne University, Germany.
2014	National Strategic Grant No. 040/SP2H/P/K7/KM/2014, DIKTI (Second Year)
2014	Chairperson, Humboldt Kolleg from Alexander von Humboldt Foundation, Germany
2013	International Collaboration Grant (Second Year), No. 088/SP2H/PL/Dit.Litabmas/V/2013
2013	InSiNas Applied Research Number 187/M/Kp/XI/2012, 7 November 2012, RISTEK (First Year)
2013	National Strategic Grant (First Year) No. 182 / SP2H / PL / Dit.Litabmas / IV / 2013, DIKTI
2013	Host and trainer of National Multiplication Training DAAD – Indonesian Academic Leader Course (IALC) at East Java, Indonesia
2012	International Collaboration Grant (First Year) No.206 / SP2H / PL / Dit.Litabmas/IV/2012
2012	Grant from DIKNAS Malang City to conduct one year workshop on teacher professionalism
2012 – now	Lecturer with Assessor Registration Identification Number (NIRA) of Lecturer's Work Load
2012	Competence Grant DIKTI No. 166/SP2H/PL/Dit.Litabmas/III/2012
2011	Competence Grant DIKTI No. 526/E5.2/PL/2011
2011	Chairperson, Humboldt Kolleg from Alexander von Humboldt Foundation, Germany
2010	Professional Lecturer Certification in Natural Sciences (Chemistry) of the Indonesian Ministry of Education and Culture
2010	Competence Grant DIKTI No. 424/SP2H/PP/DP2M/VI/2010

2008	InSinan Fundamental Research number 27/RD/Insentif/PPK/II/2008 RISTEK
2007 – now	Reviewer for research grants (decentralization scheme) DIKTI
2007	Equipment Grant from Alexander von Humboldt, Germany
2006	Grant award from TWAS, Italy
2005	Science and Technology Award from ITSF, Indonesia
2004	2 nd National Best Lecturer Indonesia
2004	1 st Best Lecturer in Kopertis Wilayah VI, Central Java
2004	Organization of International Chemical Weapon Prohibition (ICWP) Grant, Netherland
2004	Georg Forster fellowship from The Alexander von Humboldt Foundation, Germany
2004	International Foundation for Science Grant, Sweden.
2003 – 2007	Visiting Lecturer in Kwansei Gakuin University (2-3 month/year) Japan.
2003	Award from Association of International Education of Japan (AIEJ), Japan
2001	8th ITSF Science and Technology Research Grant, Indonesia
2001	DAAD Bioscience Special Programme, Germany
1991– 1998	Scholarship from Kwansei Gakuin University, Japan

Paten

1. Patent: *Karotenoid Pro-Vitamin A Terenkapsulasi Dalam Matriks Maltodekstrin dan Tween-80* (P00201600575): method for encapsulation of pro-vitamin A carotenoid in the maltodextrin and tween-80 as the matrixes, 2016.
2. Patent: *Metode Jamu Berbasis Alga Sebagai Anti Hiperkolesterol* (P00201600574): method on the preparation of herbal medicine from algae for the therapy of hypercholesterol, 2016.

Publikasi terpilih

1. Limantara, L., Indrawati, R., Wijaya, D.E., Indriatmoko, Sulistiawati, E., Suparto, I.H., Wijayanti, R.D.E. and Brotosudarmo, T.H.P. (2017) Hypocholesterolemic Effect And Pigments Composition Of Herbal Medicine Containing Higher And Lower Plants, *Journal of Pharmacy and Pharmaceutical Sciences*, 9(11), 97-103
2. Indrawati, R., Lukitasari, D.M., Yuniati, Y., Heriyanto and Limantara, L. (2017) Encapsulation, Properties, and Thermal Study of Red Biocolorant from Selected Plants Obtained Through Physical Extraction, *International Journal of Chemical Engineering and Applications*, 8(6), 371-376
3. Mulyadi, N.M., Widyaningsih, T.D., Wijayanti, N., Indrawati, R., Heriyanto and Limantara, L. (2017) Microencapsulation of Kabocha Pumpkin Carotenoids, *International Journal of Chemical Engineering and Applications*, 8(6), 381-386
4. Heriyanto, Julidiningtyas, A.D., Shioi, Y., Limantara, L. and Brotosudarmo, T.H.P (2017) Analysis of Pigment Composition of Brown Seaweeds Collected from Panjang Island, *Philippine Journal of Science*, 143(3), 323-330
5. Lukitasari, D.M., Indrawati, R., Chandra, R.D., Heriyanto, and Limantara, L. (2017) Mikroenkapsulasi Pigmen Dari Kubis Merah: Studi Intensitas Warna Dan Aktivitas Antioksidan, *Jurnal Teknologi dan Industri Pangan*, 28(1), 1-9
6. Ferdiansyah, Heriyanto, Wijaya, C.H. and Limantara, L. (2017) Pengaruh Metode Nanoenkapsulasi Terhadap Stabilitas Pigmen Karotenoid dan Umur Simpan Minyak Buah Merah (*Pandanus Conoideus L.*), *Jurnal Agritech*, 37(4)

7. Prilianti, K.R., Hariyanto, S., Natali, F.D.D., Indriatmoko, Adhiwibawa, M.A.S., Limantara, L. and Brotosudarmo, T.H.P. (2016) Artificial neural network model for photosynthetic pigments identification using multi wavelength chromatographic data, AIP Conference Proceedings, 1723, 030016
8. Sitepu, R., Heriyanto, Brotosudarmo, T.H.P. and Limantara, L. (2016) Karakteristik Antosianin Buah Murbei Spesies Morus Alba dan Morus Cathayana di Indonesia, Jurnal of Natural Science , 5(2), 158-171
9. Indrawati, R., Chomiuk, A., Indriatmoko, Adhiwibawa, M.A.S., Siahaan, D., Brotosudarmo, T.H.P. and Limantara, L. (2015) Stability of palm carotenes in an organic solvent and in a food emulsion system, International Journal of Food Properties, 18(11), 2539-2548
10. Indriatmoko, Heriyanto, Brotosudarmo, T.H.P, and Limantara, L. (2015) Composition of Photosynthetic Pigments in Red Alga Kappaphycus Alvarezii Cultivated at Different Depths Procedia Chemistry Elsevier, 14, 193-201
11. Kusmita, L., Puspitaningrum, I. and Limantara, L. (2015) Identification, Isolation, and Antioxidant Activity of Pheophytin from Green Tea, Procedia Chemistry Elsevier, 14, 232-238
12. Indriatmoko, Shioi, Y., Brotosudarmo, T.H.P, and Limantara, L. (2015) Separation of Photosynthetic Pigments by High-Performance Chromatography: Comparison of Column Performance, Mobile Phase, and Temperature, Procedia Chemistry Elsevier, 14, 202-210
13. Limantara, L., Dettling, M., Indrawati, R., Indriatmoko, and Brotosudarmo, T.H.P. (2015) Analysis on the Chlorophyll Content of Commercial Green Leafy Vegetables, Procedia Chemistry Elsevier, 14, 225-231
14. Indrawati, R., Sukowijoyo, H., Indriatmoko, Wijayanti, R.D.E. and Limantara, L. (2015) Encapsulation of brown seaweed pigment by freeze drying: characterization and its stability during storage, Procedia Chemistry Elsevier, 14, 353-360
15. Brotosudarmo, T.H.P., Limantara, L., Heriyanto and Prihastyanti, M.N.U. (2015) Adaptation of the Photosynthetic Unit of Purple Bacteria to Changes of Light Illumination Intensities, Procedia Chemistry Elsevier, 14, 414-421
16. Handoko, Y.A., Limantara, L. and Rondonuwu, F.S. (2015) The Photosensitizer Stabilities of Tookad® on Aggregation, Acidification, and Day-Light Irradiation, Procedia Chemistry Elsevier, 14, 474-483
17. Prilianti, K.R., Setiawan, Y., Indriatmoko, Adhiwibawa, M.A.S, Limantara, L. and Brotosudarmo, T.H.P. (2014) Probabilistic classification method on multi wavelength chromatographic data for photosynthetic pigments identification, AIP Conference Proceedings, 1587, 78
18. Limantara, L. (2014) Strengthening the Centre of Research Excellence at Universitas Ma Chung at national and international Level, In: Mayer, P. and Wilde, M., ed. (2015) *Managing Change at Universities – A selection of case studies from Africa and Southeast Asia – Volume II*: University of Applied Sciences, Osnabrück
19. Heriyanto, Michalik, M., Brotosudarmo, T.H.P., Limantara, L. and Fiedor, L. (2014) Reconstitution Approach to Tune Spectral Features of Light Harvesting Complexes for Improved Light Absorption and Energy Transfer, Energy Procedia Elsevier, 47, 113-122
20. Prilianti, K.R., Setiawan, Y., Indriatmoko, Adhiwibawa, M.A.S., Limantara, L. and Brotosudarmo, T.H.P. (2014) Probabilistic classification method on multi wavelength chromatographic data for photosynthetic pigments identification, AIP Conference Proceedings, 1587, 78
21. Indrawati, R., Ozols, M., Indriatmoko, Heriyanto, Brotosudarmo, T.H.P. and Limantara, L. (2013) Re-evaluation on multi-chromatogram approach of 3D-chromatographic data, ISBC The Journal of Biomaterial Chemistry, 1(1), 12-16

22. Djalil, A.D., Nurlita, N.A., Limantara, L., Ibrahim, S., and Tjahjono, D.H. (2012) Biological Evaluations of protoporphyrin IX, pheophorbide α , and its 1-hydroxyethyl derivates for application in photodynamic therapy, *International journal of Pharmacy and Pharmaceutical Sciences*, 4 (3), 741-746
23. Limantara, L., de Fretes, H., Heriyanto, Susanto, A.B., Prasetyo, B. and Brotosudarmo, T.H.P. (2012) Estimasi produk degradasi ekstrak kasar pigmen alga merah *Kappaphycus alvarezii*(Doty) doty varian merah, coklat, dan hijau: Telaah perbedaan spektrum serapan, *Indonesian Journal of Marine Sciences*, 17(1), 31-38
24. Resita, D., Merdekawati, W., Susanto, A.B. and Limantara, L. (2011) Kandungan dan Komposisi Pigmen *Sargassum* sp. Pada Perairan Teluk Awur, Jepara dengan Perlakuan Segar dan Kering, *Jurnal Perikanan*, 12 (1), 11-19
25. Limantara, L. and Heriyanto. (2011) Optimasi Proses Ekstraksi Fukosantin Rumput Laut Cokelat *Padina australis* Hauck Menggunakan Pelarut Organik Polar *Indonesian Journal of Marine Science*, 16(12), 86-94
26. Limantara, L. and Heriyanto. (2011) Photostability of Bacteriochlorophyll a and Its Derivatives as Potential Sensitizers for Photodynamic Cancer Therapy: The Study on Acetone-Water and Methanol-Water Solvents, *Indonesian Journal of Chemistry Vol. 11* (2), 154-162
27. Nurkholis and Hadi, F. (2010) Pengujian Bioassay Biskuit Balita yang Disuplementasi Konsentrat Protein Daun Kelor pada Model Tikus Malnutrisi, *Jurnal Teknologi Pertanian*, 11(3), 144-151
28. Indrawati, R., Karwur, F.F., and Limantara, L. (2010) Perkembangan Sensitizer pada Terapi Fotodinamika Tumor dan Kanker hingga Penuntunan Nanopartikel (nanoparticulate targetting) dengan antibody monoclonal, *Indonesian Journal of Cancer*, 4(3), 101-110
29. Radjasa, O.K., Limantara, L. and Sabdono, A. (2010) Antibacterial Activity of A Pigment Producing Bacterium Associated with *Halimeda* sp. from Land-Locked Marine Lake Kakaban Indonesia, *Journal of Coastal Development*, 12(2), 100 – 104
30. Limantara, L. and Heriyanto, H. (2010) Studi Komposisi Pigmen dan Kandungan Fukosantin Rumput Laut Cokelat dari Perairan Madura dengan Kromatografi Cair Kinerja Tinggi, *Jurnal Ilmu Kelautan*, 15(1), 23-32
31. Brotosudarmo, T.H.P. and Cogdell, R.J. (2010) Study on The Structural Basis of Peripheral Light Harvesting Complexes (LH2) in Purple Non-Sulphur Photosynthetic Bacteria, *Indonesian Journal of Chemistry* 2010, 10(3): 401-408
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33. Heriyanto, H., Trihandaru, S. and Limantara, L. (2009) Coordination State and Aggregation Process of bacteriochlorophyll A and Its Derivatives, Study on Acetone - Water and Methanol - Water Solvents, *Indonesian Journal of Chemistry*, 9(1), 113-122
34. Pratiwi, R. and Limantara, L. (2009) Fotoproteksi Kurkumin terhadap β -karoten pada Berbagai Perbandingan Molar dan Aktivitas Antioksidannya, *Jurnal Natur Indonesia*, 12(1), 1-8
35. Santosa, V. and Limantara, L. (2009) Efek Beta-karoten dan Agregasi Klorofil pada Fotostabilitas Klorofil a dalam Pelarut Aseton, *Jurnal Natur Indonesia*, 11(2), 115-123
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38. Perwitasari, M.L., Martosupono, M. and Limantara, L. (2008) Kolerasi Posisi Daun, Kandungan Pigmen, Nikotin, dan Reduksi Tembakau (*Nicotina tabacum*) Temanggung dan Bojonegoro setelah Proses Penyimpanan, *Jurnal Sains dan Matematika*, 16(4), 176-186
39. Nurdiana, D.R., Limantara, L. and Susanto, A.B. (2008) Komposisi dan Fotostabilitas Pigmen Rumpun Laut *Padina australis* Hauck. Dari Kedalaman yang Berbeda, *Ilmu Kelautan*, 13(4), 233-240
40. Pirenantyo, P. and Limantara, L. (2008) Pigmen *Spirulina* sebagai Senyawa Antikanker, *Indonesian Journal of Cancer*, 2(4), 155-163
41. Pratiwi, R. and Limantara, L. (2008) Potensi Astaxantin sebagai Senyawa Antikanker, *Indonesian Journal of Cancer*, 2(4), 149-154.
42. Santosa, V. and Limantara, L. (2008) Photodynamic Therapy: New Light in Medicine World, *Indonesian Journal of Chemistry*, 8 (2), 279-291
43. Christiana, R., Kristopo, H. and Limantara, L. (2008) Photodegradation and Antioxidant Activity of Chlorophyll a from *Spirulina (Spirulina Sp.)* Powder, *Indonesian Journal of Chemistry*, 8(2), 236-241
44. Syahputra, M.R., Karwur, F.F. and Limantara, L. (2008) Analisis Komposisi dan Kandungan Karotenoid Total dan Vitamin A Fraksi Cair dan Padat Minyak Sawit Kasar (CPO) Menggunakan KCKT Detector PDA, *Jurnal Natur Indonesia*, 10(2), 89-97
45. Galuh R, Soetjipto, P.H. and Limantara, L. (2007) Kandungan dan Aktivitas Antioksidan Feofitin dan Feoforbid Teh Hitam (*Camellia sinensis (L.) Kuntze*), *Jurnal Natur Indonesia*, 10(1), 42-48
46. Madalena, Heriyanto, Hastuti, S.P. and Limantara, L. (2007) Pengaruh lama pemanasan terhadap kandungan pigmen serta Vitamin A daun Singkong (*Manihot esculenta* Chrantz) dan daun Singkong Karet (*Manihot glaziovii* Muell. Arg.), *Indonesian Journal of Chemistry*, 7(1), 105-110
47. Kurniawati, P.T., Soetjipto, H. and Limantara, L. (2007) Aktivitas Antioksidan dan Antibakteri Pigmen Bixin Selaput Biji Kesumba (*Bixa orellana L.*), *Indonesian Journal of Chemistry*, 7(1), 88-92
48. Suparmi, Radjasa, O.K. and Limantara, L. (2007) Mikroorganisme yang Berasosiasi dengan Sponge: Potensinya sebagai Sumber Biopigmen, *Aquacultura Indonesiana*, 8(2), 121-133

Narasumber, trainer dan moderator

- | | |
|------|---|
| 2017 | Train the Trainers for DIES NMT, Potsdam University, Germany, 13-15 November 2017. |
| 2017 | Trainer and regional expert for International proposal writing ProGRANT, DAAD, 6-10 March 2017, Yangon, Myanmar |
| 2017 | Speaker in the Seminar on European Union (EU) and Indonesia Research and Innovation Cooperation, the Institut Français Indonesia, Jakarta, March 21, 2017 |
| 2017 | Moderator in the "Sharing-Benefits. Doing Research Together" in the Embassy of the Federal Republic of Germany, Jakarta, March 16, 2017 |
| 2016 | Trainer International proposal writing ProGRANT, DAAD, 18-22 April 2016 and 14-18 November 2016 supported by DAAD, Germany |
| 2016 | DAAD Visit of Delegation Indonesia to the Federal Republic of Germany 23-30 April 2016 |
| 2016 | Speaker: Academic leadership in learning organization, Kopertis 3, DKI jakarta |

- 2015 Inaugural Share Policy Dialogue: Enhancing Connectivity and Comparability in ASEAN Higher Education” atau program EU-SHARE 24-25 August 2015
- 2015 Regional expert meeting: Development of Mobile Learning Contents for the Progrant Course, Cologne, Germany
- 2015 Advancing Your Research Career in Europe: Strengthening European Alumni Network in South East Asia, Hanoi, Vietnam
- 2015 Exhibitor at Fostering Ideas: German Indonesian Science and Technology Exhibition, Museum National Indonesia
- 2015 Moderator at Inaugural Share Policy Dialogue: Enhancing Connectivity and Comparability in ASEAN Higher Education, ASEAN Secretariat, Jakarta
- 2015 Trainer and Expert on DAAD DIES Seminar Part I (five-day practical-oriented training for new reseachers) in Hanoi, Vietnam
- 2015 Speaker on the European Higher Education Area (EHEA) Ministerial Conference and the Fourth Bologna Policy Forum (BPF) at Yerevan, Armenia
- 2015 Trainer and Expert on DAAD DIES Seminar Part II (five-day practical-oriented training for new reseachers) in Ho Chi Minh City, Vietnam
- 2014 Trainer and Expert on DAAD DIES Seminar Part I (five-day practical-oriented training for new reseachers) in Chulalongkorn University, Bangkok Thailand
- 2014 Chairwoman for 2nd International Conference on Natural Sciences (ICONS)
- 2014 DAAD DIES Alumni Special Project and BION International Biodiversity Congress 2014 in Bonn, Germany
- 2013 Trainer and regional expert for capacity building in ASEAN (8 countries)
- 2013 AUN QA stakeholder conference, Bangkok Thailand
- 2013 Chairwoman for 2nd Natural Pigment Conference for South East Asia (NP-SEA)
- 2012 Shimadzu International Symposium for Shimadzu Collaboration Laboratories in Cambodia
- 2012 DIES ASEAN-Quality Assurance (QA) Training Course (Manila, Philippines)
- 2012 Part II of the International Deans’ Course (IDC) South East Asia Workshop (Bangkok)
- 2012 The International Deans’ Course South East Asia 2012/13 (Osnabrueck and Berlin, Germany)
- 2012 TOT Internal Reviewer of DIKTI
- 2011-2012 Leadership training from Hagai Institute
- 2011 Chairwoman for International Conference on Natural Sciences (ICONS) I
- 2010 Chairwoman for Natural Pigment Conference for South East Asia (NP-SEA)
- 2010 Participant, Colloquium of The Alexander von Humbolt Foundation
"Knowledge Creates Development: The Role of The Humbolt-Alumni in South East Asia" (Hanoi, Vietnam)