

GANJAR FADILLAH, S.SI., M.SI.

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PERSONAL INFORMATION

1	Full Name	: Ganjar Fadillah
2	Tittle	: S.Si., M.Si.
3	Date of birth	: June 27, 1991
4	Gender	: Male
5	Marital status	: Single
6	Nationality	: Indonesian
7	Scopus ID/H-Index	: 57127299100 / 7
8	Institution	: Department of Chemistry, FMIPA, Universitas Islam Indonesia
9	Position	: Lecturer (Assistant Professor)
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12	Editorial membership	: Communication in Science and Technology (CST)

EDUCATION

- [2018] M.Sc. (Analytical Chemistry) Institut Teknologi Bandung (ITB), Bandung, Indonesia
Supervisor: Assoc. Prof. Dr. Indra Noviandri; Prof. B. Buchari
- [2015] B.Sc. (Chemistry) Universitas Sebelas Maret (UNS), Surakarta, Indonesia
Supervisor: Assoc. Prof. Dr. Sayekti Wahyuningsih, Prof. Ari Handono Ramelan, Ph.D

MAJOR FIELD OF SPECIALIZATION

Chemical sensor, trace element analysis, environmental analysis, chemical treatment of waste and wastewater

AWARDS AND ACKNOWLEDGEMENTS

- 1st winner Metrohm Young Chemist Award Indonesia 2018
- Awardee of MEXT for Doctoral program in Chemistry, 2020
- Awardee of Indonesia Endowment Fund for Education (scholarship for M.Sc), 2016
- Bronze Medal PKM P, the achievement give from Directorate General of Higher Education (DIKTI)

CURRENT MEMBERSHIP OF ACADEMIC SOCIETIES

- Komunitas Ilmuwan dan Profesional Muslim Indonesia (KIPMI), Indonesia, 2016-currently

- Royal Society Chemistry (RSC), 2019-currently
- Himpunan Kimiawan Indonesia (HKI), Indonesia, 2017-currently
- Himpunan Alumni Sekolah Analisis Kimia (HKA), 2010-currently

PUBLICATIONS

- **Ganjar Fadiilah**, Susan Triana, Uswatul Chasanah, Tawfik A Saleh, 2020, itania-nanorodsmodifiedcarbonpastelectrodeforthesensitivevoltammetric determination of BPA in exposed bottled water, *Sensing and Bio-sensing research* (Q1)
- **Ganjar Fadillah**, Ozi Adi Saputra, Tawfik A. Saleh, 2020, Trends in Functionalized Polymer Nanostructures for Analysis of Environmental Pollutants, *Trends in Environmental Analytical Chemistry* (Q1, IF 5.5)
- **Ganjar Fadillah**, Wiyogo Prio W, Is Fatimah, Tawfik A Saleh, 2020, A sensitive electrochemical sensor based on functionalized graphene oxide/SnO₂ for the determination of eugenol, *Microchemical Journal* (Q1)
- **Ganjar Fadillah**, Yudha SP, Sagadevan S, Is Fatimah, Oki Muraza, 2020, Magnetic iron oxide/clay nanocomposites for adsorption and catalytic oxidation in water treatment applications, *Open Chemistry* (Q3)
- Is Fatimah, Rico N, Imam Sahrono, **Ganjar Fadillah**, Bambang Hernawan N, Azlan Kamari, Oki Muraza, 2020, Sonocatalytic degradation of rhodamine B using tin oxide/montmorillonite, *Journal of Water Process Engineering* (Q1)
- Tawfik A Saleh, **Ganjar Fadillah**, Endang CIptawati, 2020, Analytical methods for mercury speciation, detection, and measurement in water, oil, and gas, *TrAC Trends in Analytical Chemistry* (Q1)
- **Ganjar Fadillah**, Tawfik A Saleh, Sayekti Wahyuningsih, 2019, Electrochemical removal of methylene blue using alginate-modified graphene adsorbents, *Chemical Engineering Journal*, vol. 378, 122140 (Q1, scopus indexed, IF 8.355)
- **Ganjar Fadillah**, Tawfik A Saleh, Sayekti Wayuningsih, 2019, Enhanced electrochemical degradation of 4-nitrophenol molecules using novel Ti/TiO₂-NiO electrodes, *Journal of Molecular Liquids*, vol. 289, 111108 (Q1, scopus indexed, IF 4.561)
- Tawfik A Saleh, **Ganjar Fadillah**, Ozi Adi Saputra, 2019, Nanoparticles as components of electrochemical sensing platforms for the detection of petroleum pollutants: a review, *TrAC Trends in Analytical Chemistry*, vol. 118, 194-206 (Q1, scopus indexed, IF 8.428)
- Tawfik A Saleh, **Ganjar Fadillah**, 2019, Recent trends in the design of chemical sensors based on graphene-metal oxide nanocomposites for the analysis of toxic species and biomolecules, *TrAC Trends in Analytical Chemistry* (Q1, scopus indexed, IF 8.428)
- Is Fatimah, Imam Sahroni, **Ganjar Fadillah**, M. Miqdam Mussawa, Teuku Meurah Indra Mahlia, Oki Muraza, 2019, Glycerol to solketal for fuel additive: recent progress in heterogeneous catalyst, *Energies*, vol. 12(15), 2872 (Q1, scopus indexed, IF 2.676)
- R Hidayat, **G Fadillah**, S Wahyuningsih, 2019, A control of TiO₂ nanostructures by hydrothermal condition and their application: a short review, *IOP Conf. Series: Materials Science and Engineering* 578 (1), 012031
- E V Maylinda, A Rinadi, E A Putri, **G Fadillah**, S Wahyuningsih, 2019, Color stability of anthocyanins copigmentation from red rice (*Oryza sativa* L) bran by spectrophotometry UV-Vis, *IOP Conf. Series: Materials Science and Engineering* 578 (1), 012001
- **Ganjar Fadillah**, Sayekti Wahyuningsih, Ari Handono Ramelan. Preparation of TiO₂ nanorods as

- a coating material on Pt electrode for electrodegradation of methyl orange. AIP conference proceedings 2026, 020054, 2018
- Indra Noviandri, **Ganjar Fadillah**. Electrochemical preparation of modified carbon paste electrode by molecularly imprinted poly(methyl orange) for voltammetric determination of BHA. Journal of Food and Drug Analysis, 2018 (on review process)
 - Indra Noviandri, **Ganjar Fadillah**. Electropolymerization of molecularly imprinted poly(methyl orange) on surface CPE for voltammetric determination of chloramphenicol in milk samples. Journal of Food and Drug Analysis, 2018 (on review process)
 - **G Fadillah**, E N K Putri, S Febrianastuti, H Munawaroh, C Purnawan, S Wahyuningsih. α -keratin/Alginate Biosorbent for Removal of Methylene Blue on Aqueous Solution in a Batch System. IOP Conf. Series: Materials Science and Engineering 333 (2018) 012052
 - **G Fadillah**, E. N. K. Putri, S. Febrianastuti, E. V. Maylinda, C. Purnawan. Adsorption of Fe Ions from Aqueous Solution Using α -Keratin-Coated Alginate Biosorbent. International Journal of Environmental Science and Development, Vol. 9, No. 3, (2018)
 - **G Fadillah**, S Wahyuningsih, A H Ramelan. Enhanced Photovoltaic Performance by Surface Modification of TiO₂ Nanorods with Aminopropyltrimethoxysilane (APTMS). IOP Conf. Series: Earth and Environmental Science 75 (2017) 012005
 - S Wahyuningsih, A H Ramelan, R Hidayat, **G Fadillah**, H Munawaroh, L N M Z Saputri. Synthesis of TiO₂ NRs - ZnO Composite for Dye Sensitized Solar Cell Photoanodes. IOP Conf. Series: Earth and Environmental Science 75 (2017) 012006
 - Sayekti Wahyuningsih, Ari Handono Ramelan, **Ganjar Fadillah**, Rahmat Hidayat. Thin Film ZnO Coated on FTO/TiO₂ as an Anti-Reflection Coating for Enhancing Visible Light Harvesting in Dye Sensitized Solar Cells System. Procedia Chemistry 19 (2016) 632 – 637
 - H Munawaroh, **G Fadillah**, L N M Z Saputri, Q A Hanif, R Hidayat, S Wahyuningsih. The co-pigmentation of anthocyanin isolated from mangosteen pericarp (Garcinia Mangostana L.) as Natural Dye for Dye Sensitized Solar Cells (DSSC). IOP Conf. Series: Materials Science and Engineering 107, 2016
 - Rahmat Hidayat, **Ganjar Fadillah**, Uswatul Chasanah, Sayekti Wahyuningsih, Ari Handono Ramelan. Effectiveness of Nanofertilizer Based APTMS-Zeolite as Slow Release Fertilizer System. African Journal Agriculture Research Vol. 10 (14), p. 1785-1788, 2015
 - Uswatul Chasanah, Elsanty Nur Afifah, **Ganjar Fadillah**, Rahmat Hidayat, Sayekti Wahyuningsih, Ari Handono Ramelan. Decoloration and Microorganism Degradation From Biodeinking Waste Using Flow System of Photoelectrodegradation. Journal of Chemical and Pharmaceutical Research, 7(6), p. 96-102, 2015
 - S. Wahyuningsih, A.H. Ramelan, R. Hidayat, **G. Fadillah**, H. Munawaroh, L.N.M.Z. Saputri, Q.A. Hanif. Alternative Natural Dyes in Water Purification : Anthocyanin as TiO₂-sensitizer in Rhodamin B Photoelectrodegradation. Biophotonics Japan, Proc. Of SPIE Vol. 9792, 2015
 - Elsa Ninda Karlinda Putri, Syahna Febrianastuti, Easy Vicky Maylinda, **Ganjar Fadillah**, Candra Purnawan. Efek Komposisi Bioadsorben α -Keratin/Alginat Terhadap Kapasitas Adsorpsi Logam Berat Besi (Fe). Jurnal Penelitian Kimia, Vol. 14(2) 2018, 323-332
 - **Ganjar Fadillah**, Pramudita Putri, Teguh Endah Saraswati. Effectiveness of Gelatin Extracted From Chicken Claws as a Natural Preservatives For Beef and Fish. Journal Alchemy, Vol. 10, No. 2, 195-206
 - Pramudita Putri Kusuma, **Ganjar Fadillah**, Teguh Endah Saraswati. Effect of Garlic Powder Addition to Gelatin Biocomposite on Its Anti Bacterial Activity. ALCHEMY Jurnal Penelitian Kimia, vol. 12 (2016), no. 1, hal. 1-13

RESEARCH EXPERIENCES

Research project	Research grant	Periods	Position
Advanced material for environmental and energy application	World Class Professor-RISTEK DIKTI	2020	Researcher
Pengembangan dan Fabrikasi Membran 3D (3 Dimensi) Berbasis Graphene Oxide/Hydrogel untuk Desinfeksi Air Minum dan Pengolahan Limbah Industri	DPPM UII	2020	Researcher
Development of electrochemical sensor for eugenol based on GO/SnO ₂	DPPM UII	2019-2020	Principal Researcher
The combined techniques of electrochemical-adsorption for removal synthetic dye	Metrohm Indonesia	2018-2019	Principal Researcher
Electrochemical preparation of Molecularly Imprinted Polymers on Carbon Paste Electrode for determination of Antioxidant and Antibiotics	LPDP Thesis	2017-2018	Principal Researcher
Development of electrochemical sensor based on MIPs for BHA analysis	Grant ITB	2016-2018	Researcher
Copigmentation of Natural dyes Anthocyanins as Natural Dye in DSSC	PKM DIKTI	2014-2015	Researcher
Effectiveness of Nanofertilizer Based on APTMS-Zeolite as Slow Release Fertilizer System	PKM DIKTI	2013-2014	Researcher

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