

CURRICULUM VITAE

PERSONAL

Full Name : Gadang Priyotomo
 Place/Date of Birth : Yogyakarta/ April 26, 1979
 Sex : Male
 Nationality : Indonesia
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 Home Address : Kawasan Perumahan PUSPIPTEK Blok VID/11, Setu
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 of Sciences, Kawasan PUSPIPTEK, Serpong, Tangerang, Banten 15314
 INDONESIA
 Office Telephone Number : 62-(21)-7560911
 Position of work : Senior Researcher

EDUCATION

1986-1991 : Elementary School in SDN 01 Tanjung Barat DKI Jakarta, Indonesia
 1991-1994 : Junior High School in SMPN 46 Pejaten Timur DKI Jakarta, Indonesia
 1994-1997 : Senior High School in SMAN 28 Ragunan DKI Jakarta, Indonesia
 1997-2001 : Bachelor of Engineering in University of Indonesia, Faculty of Engineering, Major in
 Metallurgical and Material Engineering, INDONESIA
 2006-2008 : Master of Science in mathematics and natural science Faculty, University of Indonesia,
 Major in Material Science, INDONESIA
 2010-2013 : Doctoral of Engineering in Graduate School of Engineering, Materials Science and
 Engineering, Osaka Prefecture University, JAPAN

WORK EXPERIENCES

2000 : Laboratory Assistant of Destructive Test, Metallurgical
 Engineering University of Indonesia, Depok, Indonesia
2000 : Job Training in PT. Industri Kereta Api Indonesia (INKA)
 Madiun East Java, Indonesia
2000 – 2001 : Working on final Project Corrosion Pitting Analysis at

Incoloy 800 material as application of Shield Heating Element Solar Water Heater, Metallurgical and Material Engineering, University of Indonesia, Jakarta, Indonesia.

March 1 – August 31, 2001 :Laboratory Assistant of Corrosion and Metal Protection, Metallurgical and Material Engineering, University of Indonesia, Depok, Indonesia

October 1, 2001 to present : Researcher at Division of Material Conservation (Material Science, Electrochemistry, Corrosion and metal protection) In Research Center of Metallurgy and Material, Indonesian Institute of Sciences, Indonesia

RESEARCH PROJECTS

The year of project	Position	The title of project
2002-2003	Member of research project	Technology of Controlling Scale in Heat Exchanger Unit (<i>Research was funded by Indonesian Government</i>)
2003-2004	Member of research project	The making of Cu-Nb wire for Winding High Voltage Transformer (Research was funded by Indonesia Government)
2004	Head of research project	The Development of technology system on raw material information for supporting Earth Aquatic Resources Information System Program. (Research was funded by Indonesian Government)
2005	Member of research project	Investigation on Microstructures, Interdiffusion Process, and Mechanical Properties of Tin – Based Superconductor Cu-Nb-Sn (Research was funded by Private Company)
2006	Member of research project	Investigation on Co-Cr-Mo alloys for Biomedical Implant alloy (Research was funded by JSPS)
2006-2007	Head of research project	The making of graphite electrode for essential component of fuel cell system (Research was Funded by Indonesian Government)
2008	Head of research project	The study of High temperature material for The characterization of Indonesian Coal. (Research was funded by Indonesian Government)
2006-2008	Student of master degree	Stress Corrosion Cracking On Stainless Steel AISI 304 In MgCl ₂ Environment (Master course at University of Indonesia)
2010-2013	Student of doctoral degree	Corrosion Behavior and Environment Induced Cracking of Nickel-Base Intermetallic Compounds (Doctoral course at Osaka Prefecture University)
2014	Head of research project	The technology of smart coating for the early detection of metal corrosion (This research was funded by Indonesia government)
2015 to present	Head of research project	The development of anti fouling paint in Indonesia (<i>This research was funded by Indonesian government</i>)

2015-2016	Head of research project	Tropical marine corrosion of steel structure in Java and Bali Islands, Indonesia (<i>This research was funded by Indonesian government</i>)
2015 to present	Head of research project	Corrosion protection for production units of oil and gas industry in Indonesia. (<i>This research is funded by Indonesian government</i>)
2016 to present	Head of research project	Corrosion mapping and corrosion control of static structure in the north of Java Island, Indonesia (<i>This research is funded by Indonesian government</i>)
2017 to present	Head of research project	Corrosion mapping and corrosion control of bridge structure in the south of Java Island, Indonesia (<i>This research is funded by Indonesian government</i>)

OTHER SCIENTIFIC ACTIVITY

2005	:	Technical Support for SME II (Inorganic Materials & Metals) Training , August 22 – December 3, 2005, JICA, Osaka City, JAPAN
2006	:	Collaboration Research for testing of Nb ₃ Sn Superconductor wire at Institute for Materials Research, Tohoku University, March 5 – March 11, 2006, Sendai, JAPAN
2016 to present	:	A board member of Indonesian Nasional Standard (SNI) for Oil and Gas Units and Applications.
2017 to present	:	A reviewer of Journal for Corrosion Science, Elsevier Publisher
2017	:	Program Committee member of 2nd International Conference on Mechanical Engineering & Applications (MEAP 2017), June 24-25, 2017, Zurich, Switzerland. (http://itcse.org/2017/me2017/committee.html)
2017	:	Program Committee member of International Conference on Mechanical Engineering (MECH 2017), March 25 - 26, 2017, Chennai, India (http://allconferencecfpalerts.com/cfp/view.php?eno=6747)
2017	:	Program Committee member of Third International Conference on Advances in Mechanical Engineering (AME 2017), January 28-29, 2017, Dubai, UAE (http://cse2016.org/2017/AME/program.html).
2017	:	Program Committee member of Fourth International Conference on Mechanical Engineering (ME 2017), May 27-28, 2017, Dubai, UAE (http://iccsea.org/2017/me2017/program.html).
2017	:	Program Committee member of 5th International Conference on Mechanical Engineering (Meche 2017), September 30-October 1, 2017, Dubai, UAE (http://icaita.org/MECHE2017/program.html)

HONORS

2017	:	Dr. Gadang Priyotomo has been honored with Indonesian Institute of Science's (LIPI) Exemplary Researcher Award in INDONESIA. (http://bosdm.lipi.go.id/?p=765).
2017	:	Keynote Speakers; The Indonesia International Shipbuilding, Offshore, Marine Equipment, Machinery & Services Exhibition, 2017

LIST OF PUBLICATIONS

1. Priyotomo, Marwan. *“Process of Fatigue Test at rail bogie for production of rail Vehicle Company”*, The report of Job Training, Department of Metallurgical and Material Engineering, University of Indonesia, 2000.
2. Priyotomo, *“Study of Pre-Test Pitting Corrosion of Incoloy 800 Material on Cover Element Used in Solar Water Heater”*, The book of Bachelor's thesis, Departement of Metallurgical and materialEngineering, University of Indonesia, 2001.
3. Priyotomo, *“Destruction of Acid Rain”*, JELAJAH Magazine, Penabur Foundation, 2003.
4. Priyotomo, *“Characterization of Corrosion on Carbon Steel under 0,02%wt in Industrial Environment”*, Indonesian Journal of Solid Conductor Materials, Vol.4, No.2, 2003, BATAN, 2003
5. Priyotomo, *“The influence of wear on Aluminium and ferrous metal about abrasive process”*, Proceeding of The National Workshop Seminar on Metallurgy 2003, Research Center for Metallurgy, 2003.
6. Hatarti, Iwan, Priyotomo. *“Characterization of anodic polarization on carbon steel in saturated sulphate acid medium at temperature range 28⁰C to 70⁰C”*, Indonesian Journal of Solid Conductor Materials, Vol.4, No.2, 2003.
7. Hatarti, Priyotomo. *“Measurement of Performance of Molybdate as Controller of steel corrosion in Water with Method of Resistance of Polarization Oldham & Mansfeld”*, Indonesian Journal of Solid Conductor Materials, Vol 5, No.1, 2004.
8. Hatarti, Priyotomo, *“Inhibitor Mixture of Molibdat-Nitrit as Controller of Steel Corrosion in water medium”*, Indonesian Journal of Solid Conductor Materials, Vol 4, No.2, 2004.
9. Priyotomo, *“Influence of Temperature to Corrosion Resistance at Material Base On Nickel in Chloride Environment”*, Proceeding of The National Workshop Seminar on Metallurgy 2003, Research Center for Metallurgy, 2003.
10. Priyotomo, *“Influence of Corrosive Soil To Structure of Pipe to General”*, Proceeding of The National Workshop Seminar on Metallurgy 2003, Research Center for Metallurgy, 2003.
11. Priyotomo, *“Characterization of low carbon steel comparison and steel coated zinc in environment of chloride 5% with test of salt fog”*, Proceeding of Metallurgical Seminar 2004, Research Center for Metallurgy, Indonesia, 2003.
12. Priyotomo, *“Influence of Temperature Work to Properties of Mechanic AISI 1011”*, Proceeding of Metallurgical Seminar 2004, Research Center for Metallurgy, Indonesia, 2004.
13. Hartati, Priyotomo, *“Characterization of failure on UNS G10050 material due to Corrosion”*, Indonesian Journal of Solid Conductor Materials Vol. 6, No.1, Indonesia, 2005.
14. Priyotomo, Hartati, *“Characterization of comparing between low carbon steel and Stainless Steel in 5% Chloride environment with salt spray test”*, Indonesian Journal of Solid Conductor Materials Vol.6, No.1, Indonesia, 2005.
15. Priyotomo, Hartati, *“The effect of Temperature regarded Corrosion on Low carbon steel in 65% HNO₃ Environment”*, Indonesian Journal of Solid Conductor Materials Vol.6, No.2, Indonesia, 2005.
16. Priyotomo, *“Characterization of Ti-SiC composite from Melting levitation method”*, Proceeding of Indonesian Metallurgical Material 2005, Research Center for Metallurgy, 2005.
17. Priyotomo, *“Material Failure of Ferrous from Metal Dusting Process”*, National Journal of Science & Technology KOROSI Vol.15, No.2, October 2006.

18. Priyotomo, "The Failure of ST210-117 Steel from Atmospheric Corrosion of Chloride ion Content", National Journal of Science & Technology KOROSI Vol.13, No.2, October 2004.
19. Priyotomo, "Characterization of Carbon Material from Petroleum Coke", Proceeding of National material 2006, December 20, 2006.
20. Priyotomo, "The Influence of adding SiC & Al₂O₃ Powder for Hardness Property of Titanium Base", National Journal of Science & Technology METALURGI Vol.21 No.2, December 2006.
21. Priyotomo, "The Change of Carbon Base microstructure for Conductivity property", National Journal of Science & Technology METALURGI Vol.22 No.1 June 2007.
22. Priyotomo (3rd Author), "Research and Development of Tin-Based superconductor Cu-Nb-Sn", 2005 Annual Report, High Field Laboratory for Superconducting Materials, Institute for Materials Research, Tohoku University, Japan
23. Priyotomo (2nd Author), "The effectiveness of Mixed Nitrite-Molybdate Inhibitor for reducing Steel corrosion in Cooling System", National Journal of Science & Technology, April 2007 Vol. 16, No.1
24. Priyotomo, "The Degradation of Steel in 5wt% Sodium Chloride by using Salt Spray test (ASTM B117-97)", National Journal of Science & Technology, April 2007 Vol. 16, No.1
25. Priyotomo, "Stress Corrosion Cracking On Stainless Steel AISI 304 In MgCl₂ Environment", Master Course Thesis Book, University of Indonesia, 2008
26. Priyotomo, (2nd Author), "The Identification of Stress Corrosion Cracking of AISI 316L Pipeline in Ion Chloride by using Electron Probe Microanalyzer". National Journal of Science & Technology, KOROSI, April 2008, Vol.17, No.1
27. Priyotomo, "The Influence of Various Sensitizing Temperatures for Stress Corrosion Cracking of AISI 304 in 42 Wt% MgCl₂ Solution". Majalah Ilmu & Teknologi KOROSI, Vol.17. No.2, October 2008.
28. Priyotomo, "The Estimation of Delta Ferrite Phase (δ) Content and the Effect of Corrosion in Stainless Steel 316L Welded". Majalah Ilmu & Teknologi KOROSI, Vol.19. No.2, October 2010.
29. Priyotomo,(2nd Author), "Pitting Corrosion of Intermetallic Compound Ni₃(Si,Ti) in Sodium Chloride Solutions", Corrosion Science 53, 2011, page. 2514-2517,doi:10.1016/j.corsci.2011.04.009, Elsevier.
30. Priyotomo (1st Author), "The Corrosion Behavior of Intermetallic Compounds Ni₃(Si,Ti) and Ni₃(Si,Ti) +2Mo in Acidic Solutions", Applied Surface Science 257, 2011, page. 8268-8274, doi:10.1016/j.apsusc.2011.03.027, Elsevier.
31. Priyotomo (2nd Author), " Pitting Corrosion of Intermetallic Compound Ni₃(Si,Ti) with 2at% Mo in Sodium Chloride Solutions", Corrosion Science 55, 2012, page.140-144, doi:10.1016/j.corsci.2011.10.009, Elsevier.
32. Priyotomo (1st Author), " The Corrosion Behavior of Ni₃(Si,Ti) Intermetallic Compounds with Al, Cr, and Mo in Various Acidic Solutions", Corrosion Science 60, 2012, hal. 10-17, doi:10.1016/j.corsci.2012.04.017, Elsevier.
33. Priyotomo (1st Author), " The Corrosion Behavior of Ni₃Al/Ni₃V Two-Phase Intermetallic Compounds in Various Acidic Solutions", International Journal of Corrosion, Volume 2012, Article ID. 626240, 6, doi:10.1155/2012/626240, Hindawi Publisher.
34. Priyotomo (1st author) ," Corrosion Behavior of Ni₃(Si,Ti) in Hydrochloric Acid Solution", International Journal of Science and Engineering, 5(1): 31-34. doi: 10.12777/ijse.5.1.31-34.
35. Priyotomo," Pitting Corrosion of Ni₃(Si,Ti) Intermetallic Compound at Various Chloride Concentrations", International Journal of Science and Engineering, Vol. 5(2)2013:25-28, October 2013.
36. Priyotomo,"The Effect Of Annealing Temperatures After Thermomechanical Process To The Corrosion Behavior Of Ni₃(Si,Ti) In Chloride Solution" Teknologi Indonesia 36 (2) 2013: 97-104.
37. Priyotomo (1st author), "Corrosion Behavior of Ni₃(Si,Ti) + 2Mo in Hydrochloric Acid Solution", Internat. J. Sci. Eng., Vol. 6(1)2014:39-42, January 2014.
38. Priyotomo (1st author), "Pitting Corrosion of Ni₃(Si,Ti)+4Al Intermetallic Compound at Various Chloride Concentrations", Internat. J. Sci. Eng., Vol. 6(2) 2014.
39. Priyotomo (1st author), "Pitting Corrosion of Ni₃(Si,Ti)+2Cr Intermetallic Compound at various chloride", Internat, J.Sci.Eng., Vol.7(1)2014:10-15.
40. Priyotomo (1st author), "The Effect of Fe-Enrich Phase on The pitting Corrosion Resistance of Alloy in various neutral sodium chloride solutions", Internat, J.Sci.Eng., Vol.7(2)2014:143-149.
41. Priyotomo (5th author), "Interaction of Purple Sweet Potato Extract with Ascorbic Acid in FeCl₃ Solution". Applied Mechanics and Materials, 680: 32-37.

42. Priyotomo, " *The effect of Annealing Temperatures after Thermomechanical Process to the corrosion behavior of Ni₃(Si,Ti) in chloride solution*, Jurnal Teknologi Indonesia., 36(2).
43. Priyotomo (5th author), " *Effects of Purple Sweet Potato Extract Addition in Ascorbic Acid Inhibitor to Corrosion Rate of API 5L Steel in 3,5% NaCl Environment*", Applied Mechanics and Materials, 709:384-389.
44. Priyotomo (1st author), " *Corrosion Behavior of Nb-Base Material Containing 24wt% Sn at various chloride concentrations* ", National Journal of Science & Technology METALURGI 1(30):1-6
45. Priyotomo (1st author), " *The effect of annealing temperatures after thermomechanical process to the corrosion behavior of Ni₃(Si,Ti) in Sulfate solution*". International Journal of Science Engineering 8(2):141-145, 2015.
46. Priyotomo (1st author), " *The environment-induced cracking of as-cold rolled Ni₃(Si,Ti) and Ni₃(Si,Ti) with 2Mo in sodium chloride solutions*", Journal of Alloys and Compounds 639:504-510, 2015
47. Priyotomo (1st author), " *The environment-induced cracking of as-annealed Ni₃(Si,Ti) and Ni₃(Si,Ti) with 2Mo in sodium solutions*", International Journal of Mechanical and Materials Engineering 10(1):1-10, 2015.
48. Priyotomo (1^{1th} author), " *Structural, optical, and mechanical properties of cobalt copper oxide coatings synthesized from low concentrations of sol-gel process*", physica status solidi (a), 2016 : DOI: 10.1002/pssa.201600207.
49. Priyotomo (2nd author), " *The study of corrosion inhibitor of imidazoline salt in brine water for the flowline of crude oil*", Metalurgi (2016) 2: 87-94.
50. Priyotomo (1st author), " *The study of the potency of Averrhoa bilimbi leaf as corrosion inhibitor on carbon steel in acid chloride solution*", The National Proceeding of Science and technology, University of Muhammadiyah Jakarta, Indonesia, TM-012 ;1-8,2016. e-ISSN : 2460-8416.
51. Priyotomo (1st author), " *The study of the potency of Dimocarpus longan peel as corrosion inhibitor on carbon steel in acid chloride solution, The national proceeding of Metallurgy and Material*", University of Sultan Ageng Tirtayasa, Indonesia. 167-175,2016. ISSN : 2541-0725.
52. Priyotomo (4th author), " *Evaluation of anticorrosion and antifouling paint performance after exposure under seawater Surabaya–Madura (Suramadu) bridge,Indonesia*", AIP Conference Proceedings, 2017.
53. Priyotomo (3rd Author), " *The corrosivity and performance evaluation of antifouling paint exposed in seawater Muara Baru Port, Jakarta,Indonesia*", Journal of Physics: Conference Series, 2017.
54. Priyotomo (3rd author), " *The effect of additional Tobacco extract inhibitor for internal corrosion rate on API 5L X-52 Pipeline in artificial brine water with injected CO₂ gas*", Metalurgi,3(31), 2017.
55. Priyotomo,(1st author), "Sensitizing behavior on type J4 stainless steel due to heat treatment", Widyariset,2017, LIPI Press (article in press).
56. Priyotomo,G,(2nd author) " *Corrosion Behavior of Mild Steel in Seawater from Northern Coast of Java and Southern Coast of Bali, Indonesia*", Journal of Engineering and Technological Sciences, 49(6), 2017.
57. Priyotomo.G,(1st author), " *Preliminary Study on Dimocarpus Longan Peel as Inhibitors for the Pitting Corrosion of 5052-O and 6061-O Aluminium Alloys in Artificial Brine Solution*", International Journal of Engineering Research,6(10),2017.
58. Priyotomo.G,(1st Author), " *Linear Polarization Resistance and Open Circuit Potential Studies for the Corrosion Behavior of Ni₃(Si,Ti) + 4Al Intermetallic Compound in NaCl Solutions*", Advanced Science Letters,23(6), 2017.
59. Priyotomo.G,(2nd Author), " *The Selection of Magnesium alloys as Sacrificial Anode for the Cathodic Protection of Underground Steel Structure*", International Journal of Engineering Trends and Technology, 51(2), 2017.