Curriculum Vitae
Dr. Sugeng Triwahyono

A. Personal Data

1.	**Name**	**:**	**Dr. Sugeng Triwahyono**
2.	**Sex**	**:**	**Male**
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B. Educational Qualifications

1. Academic Qualification

Degree (Year)	:	**Ph.D. (2003)**
Field	:	Molecular Chemistry (Solid Super Acid Catalyst)
Name and Place of Institution	:	Hokkaido University, Japan University of Hokkaido, Sapporo, 060 Japan
Degree (Year)	:	**M. Eng. (1996)**
Field	:	Chemical Environmental Engineering (Membrane Catalyst)
Name and Place of Institution	:	Kitami Institute of Technology, Japan 165 Koencho, Kitami, 090 Japan
Degree (Year)	:	**B. Eng. (1994)**
Field	:	Industrial Chemistry
Name and Place of Institution	:	Kitami Institute of Technology, Japan 165 Koencho, Kitami, 090 Japan

2. Major Publications :

1. **T. Sugeng**, Aishah A.J., H. Hattori, "*Study of hydrogen adsorption on Pt/WO_3-ZrO_2 trough Pt sites"*, Journal of Natural Gas Chemistry. (submitted 2006).
2. **T. Sugeng**, Aishah A.J., H. Hattori, "*The effect of WO_3 on the zircoania based Solid Super Acid Catalysts*", Applied Catalysis A: (submitted 2006)
3. **Sugeng Triwahyono**, Zalizawati Abdullah, Aishah Abdul Jalil, "*The effect of sulfate ion the isomemrization of n-butane to iso-butane*", Journal of Natural Gas Chemistry. Vol. 15, No. 4, 2006
4. **T. Sugeng**, Aishah A.J., Halimaton H., "*Isomerization of cyclohexane to methylcyclopentane over Pt/SO42-ZrO2 catalyst*", Journal of IEM: Vol. 67 No.1 March 2006.
5. **T. Sugeng**, Aishah A.J., Hadi N.,Halimaton H,. M. Kobayashi, "*Development of membrane reactor for Epoxidation of propylene to propylene oxide in a single step process*", Journal of IEM: Vol. 67 No.3 September 2006.
6. M. Iwamoto, Y. Tanaka, J. Hirosumi, N. Kita, **T. Sugeng**, "*Enantioselective oxidation of Sulfide to sulfoxide on Ti-Containing mesoporous silica prepared by a template-ion exchange method*", Microporous and Mesoporous Materials, 48 (2001) 271.
7. **T. Sugeng**, T. Yamada, H. Hattori, "*Effects of Na Addition, Pyridine, and Water on Hydrogen Adsorption Property of Pt/SO_4^{2-}-ZrO_2*", Catalysis Letter 85 (2003) 109.
8. **T. Sugeng**, T. Yamada, H. Hattori, "*IR Study of Structure of Acid Sites on WO_3-ZrO_2*", Applied Catalysis A: General 250 (2003) 65.
9. **T. Sugeng**, T. Yamada, H. Hattori, "*Kinetic Study of hydrogen adsorption on Pt/WO_3-ZrO_2 and WO_3-ZrO_2*", Applied Catalysis A: General 250 (2003) 75.
10. **T. Sugeng**, T. Yamada, H. Hattori, "*IR Study of Acid Sites on WO_3-ZrO_2 and Pt/WO_3-ZrO_2*", Applied Catalysis A: General 242 (2003) 101.
11. **T. Sugeng**, T. Yamada, H. Hattori, "*Formation of Protonic acid site from hydrogen molecule over Pt/WO_3-ZrO_2 and WO_3-ZrO_2 evidenced by IR study of adsorbed pyridine*", Journal of Institute for Science and Technology Studies Vol. III (2002) 30.
12. M. Kobayashi, T. Kanno, J. Horiuchi, **T. Sugeng**, and J Togawa, "*Propene Partial Oxidation to propylene oxide enhanced by a convection flow in the Cs-Ag Immobilized Ceramic-Membrane Pores*", Engineering with Membranes, Vol.I, p.I-140, 2001.
13. **T. Sugeng**, M. Iwamoto, Y. Tanaka, J. Hirosumi, N. Kita, "*Enantioselective oxidation of Sulfide on Ti-Containing mesoporous silica prepared by a template-ion exchange method*", Technical Paper in Proceeding of International Symposium on Catalysis and Fine Chemical 2001, Tokyo – Japan, August 2001.
14. M. Iwamoto, Y. Tanaka, J. Hirosumi, N. Kita, **T. Sugeng**, "*Asymmetric oxidation of sulfide to sulfoxide on Ti-Containing MCM-41 prepared by template-ion exchange method*", Technical Paper in Proceeding of ZMPC 200 International Symposium on Zeolites and Microporous Crystal, Sendai – Japan, August 2000.
15. **T. Sugeng**, Y. Tanaka, M. Iwamoto, "*Stereoselectivity of sulfide to sulfoxide over solid catalysts investigated by HPLC*", HISAS 2nd Indonesian Student Association Meetings, Sapporo – Japan, January 2003.
16. **T. Sugeng**, N. Kita, J. Hirosumi, Y. Tanaka, M. Iwamoto, "*Asymmetric oxidation of sulfide to sulfoxide on Ti-Containing MCM-41 prepared by template-ion exchange method*", HISAS 1st Indonesian Student Association Meetings, Sapporo – Japan, November 2001.
17. H. Hattori, **T. Sugeng**, T. Yamada, "*Participation of the Protonic Acid Sites Originating from Molecular Hydrogen in Alkane Sleletal Isomerization Catalyzed by Pt/WO_3-ZrO_2*", Technical Paper in Proceedings of 13th Saudi-Japanese Catalyst Symposium Dhahran, Saudi Arabia, Dec 2003.
18. H. Hattori, **T. Sugeng**, T. Yamada, "*Molecular Hydrogen-Originated Protonic Acid Sites on Pt/WO_3-ZrO_2"*, Technical Paper in Proceedings of International Conference on Material Science Research, NUS - Singapore, Dec 2003.
19. **T. Sugeng**, T. Yamada, H. Hattori, "*Influence of WO_3 on the acidity and activity of WO_3 -ZrO_2 catalysts*", Proceedings of 2003 Center for Advanced Research of Energy Technology Symposium, Sapporo – Japan, February 2003.
20. **T. Sugeng**, T. Yamada, H. Hattori, "*Behavior of hydrogen adsorption over Pt/WO_3-ZrO_2 catalyst*", Annual Meeting Catalysis Society of Japan, Tokyo – Japan, March 2003.
21. **T. Sugeng**, T. Yamada, H. Hattori, "*The mechanism and nature of protonic acid sites generated from molecular hydrogen on WO_3-ZrO_2*", Annual Meeting Chemical Society of Japan, Tokyo – Japan, March 2003.
22. **T. Sugeng**, "*Molecular Hydrogen-Originated Protonic Acid Sites on Zirconia-Based Catalyst*", Memorial Graduation Meetings Division of Molecular Chemistry – Graduate School of Engineering, Hokkaido University, January 2003
23. **T. Sugeng**, T. Yamada, H. Hattori, "*Generations of protonic acid sites from molecular hydrogen over Pt/WO_3-ZrO_2 or WO_3-ZrO_2 catalysts*", Annual Meeting Catalysis Society of Japan, Hamamatsu – Japan, September 2002.
24. **T. Sugeng**, H. Hattori, "*The factors affected on the hydrogen adsorption over Pt/SO_4^{2-}-ZrO_2*", Annual Meeting Petroleum Society of Japan, Tokyo – Japan, May 2001.

25. Aishah Abdul Jalil, Ani Idris, **Sugeng Triwahyono** and Tokuda Masao, "*Decontamination Of Chlorobenzene By Electrochemical Method*", 17th SKAM Conference UiTM Malaysia, August 2004.
26. **T. Sugeng**, Hadi N., Aishah A.J., M. Nazlan M.M., Mustaffa S., Halimaton H., "*Study of Hydrogen Adsorption on WO_3-ZrO_2 Hybrid Catalyst*", 17th SKAM Conference UiTM Malaysia, August 2004.
27. **T. Sugeng**, M. Faizal R., Zalizawati A., Hadi N., Aishah. A.J., M. Nazlan M.M., Mustaffa S., Halimaton H., "*Influence of the sulfate ion on the textural properties of Pt/SO_4^{2-}-ZrO_2*", 17th SKAM Conference UiTM Malaysia, August 2004.
28. **T. Sugeng**, Zalizawati A., M. Faizal R., Hadi N., Aishah. A.J., M. Nazlan M.M., Mustaffa S., Halimaton H., "*FTIR and TPD Studies of Pt/SO_4^{2-}-ZrO_2 Catalyst*", 17th SKAM Conference UiTM Malaysia, August 2004.
29. Aishah A.J., **Sugeng T.**, Ani I., M. Tokuda, "*Electroreduction of Cholorbenzene*", Ibnu Sina Institute for Fundamental Science Studies UTM, Malaysia, June 2004.
30. **T. Sugeng**, Hadi N., Aishah A.J., Mohd Nazlan M.M., Mustaffa S., Halimaton H., H. Hattori, "*Molecular Hydrogen-Originated Protonic Acid Sites on Pt/WO_3-ZrO_2*", Ibnu Sina Institute for Fundamental Science Studies UTM, Malaysia, June 2004.
31. **T. Sugeng**, Hadi N., Aishah A.J., Mohd Nazlan M.M., Mustaffa S., Halimaton H., H. Hattori, "*Hydrogen Adsorption on Pt/SO_4^{2-}-ZrO_2 Solid Super Acid Catalyst*", Ibnu Sina Institute for Fundamental Science Studies UTM, Malaysia, June 2004.
32. **T. Sugeng**, M. Roji Sarmidi, Ramlan Abdul Aziz, T. Kanno, M. Kobayashi, "*Partial oxidation of propylene by using cesium-silver immobilized ceramic-membrane reactor*", The Regional Symposium on Membrane Science & Technology 2004, Johor Bahru - Malaysia, April 2004.
33. **T. Sugeng**, M. Roji Sarmidi, Ramlan Abdul Aziz, H. Hattori, T. Yamada "*The Factors Effected on the Generation of Active Sites on Pt/SO_4^{2-}-ZrO_2*", 3rd Annual Seminar on Sustainability and Management – Role of Environmental Science and Technology in Sustainable Development of Resources, Kustem, Trengganu – Malaysia, May 2004.
34. **T. Sugeng**, M. Roji Sarmidi, Ramlan Abdul Aziz, H. Hattori, T. Yamada, "*Molecular Hydrogen-Originated Protonic Acid Sites on Pt/WO_3-ZrO_2*", 3rd Annual Seminar on Sustainability and Management – Role of Environmental Science and Technology in Sustainable Development of Resources, Kustem, Trengganu – Malaysia, May 2004.
35. **T. Sugeng**, T. Yamada, H. Hattori, "*Generation of protonic acid sites on WO_3-ZrO_2 and Pt/WO_3-ZrO_2 catalysts*", Proceedings of International Conference on Chemical and Bioprocess Engineering 2003, Sabah - Malaysia, August 2003.
36. **T. Sugeng**, T. Yamada, H. Hattori, "*Kinetic study of hydrogen adsorption on WO_3-ZrO_2 type of catalysts*", Proceedings of International Conference on Chemical and Bioprocess Engineering 2003, Sabah - Malaysia, August 2003.
37. **T. Sugeng**, T. Yamada, H. Hattori, "*Kinetic study of hydrogen adsorption on Pt/WO_3-ZrO_2 and WO_3-ZrO_2*", HISAS 2nd Indonesian Student Association Meetings, Sapporo – Japan, January 2003.
38. **T. Sugeng**, H. Hayashi, T. Yamada, H. Hattori, "*Influence of WO_3 on the structure, acidity and activity of WO_3-ZrO_2 Catalysts*", HISAS 2nd Indonesian Student Association Meetings, Sapporo – Japan, January 2003
39. **T. Sugeng**, T. Yamada, H. Hattori, "*Generation of protonic acid sites over WO_3-ZrO_2 catalysts*", HISAS 2nd Indonesian Student Association Meetings, Sapporo – Japan, January 2003.
40. **T. Sugeng**, T. Kanno, M. Kobayashi, "*Study of reaction mechanism for oxidation of propylene on Ag-Cs supported membrane catalysts*", HISAS 2nd Indonesian Student Association Meetings, Sapporo – Japan, January 2003.
41. **T. Sugeng**, T. Kanno, M. Kobayashi, "*Epoxidation of lower olefin over Cesium-Silver membrane catalyst*", Annual Meeting Chemical Society of Japan, Sapporo – Japan, February 1996
42. K. Matsumori, **T. Sugeng**, B. Golman, K. Shinohara, T. Kanno, M. Kobayashi, "*Diffusion Factor and Selectivity of Complex Reaction over Porosity Membrane Reactor*", Annual Meeting Chemical Society of Japan, Sapporo – Japan, February 1996.
43. **T. Sugeng**, "*Epoxidation of lower olefin over Cesium-Silver membrane catalyst*", Memorial Graduation Meetings Division of Chemical Environmental Eng. – Graduate School of Eng., Kitami Institute of Technology, February 1996.
44. **T. Sugeng**, T. Kanno, M. Kobayashi, "Epoxidation of propylene by new type of membrane reactor", Annual Meeting of Catalysis Society of Japan, Muroran – Japan, October 1995.
45. **T. Sugeng**, T. Kanno, M. Kobayashi, "*Oxidation of propylene by Cs-Ag/MPG catalyst*", Annual Meeting Chemical Society of Japan, Sapporo – Japan, February 1995.
46. **T. Sugeng**, "*Development of a new type membrane reactor*", Memorial Graduation Meetings Dept. of Industrial Chemistry – Faculty of Engineering, Kitami Institute of Technology, February 1994.
47. **T. Sugeng**, T. Kanno, M. Kobayashi, "*Epoxidation of lower olefin by silver promoted membrane catalyst*", Annual Meeting Chemical Society of Japan, Sapporo – Japan, February 1994.
48. **T. Sugeng**, "*What did I learn in Japan*", The Health of Heart Magazine 109 (2002) 24-27.
49. **T. Sugeng**, "*Molecular Hydrogen-Originated Protonic Acid Sites on Zirconia-Based Catalyts*", Dissertation – PhD in Graduate School of Eng., 2003, Hokkaido University, Japan
50. **T. Sugeng**, "*Propylene Partial Oxidation by using a Cs-Ag Immobilized Membrane Reactor*", Thesis – Master of Engineering in Chemical and Environmental Eng., 1996, Kitami Institute of Technology, Japan
51. **T. Sugeng**, "*Development of a New Type Membrane Reactor*", Thesis – Bachelor of Engineering in Industrial Chemistry, 1994, Kitami Institute of Technology, Japan