

## CURRICULUM VITAE



<b>A. BUTIR-BUTIR PERIBADI (Personal Details)</b>			
Nama Penuh ( <i>Full Name</i> )	NIK MUHAMAD NIK AB MAJID		Gelaran ( <i>Title</i> ):
No. MyKad / No. Pasport ( <i>Mykad No. / Passport No.</i> ) 480615-03-5185	Warganegara ( <i>Citizenship</i> ) MALAYSIA	Bangsa ( <i>Race</i> ) MALAY	Jantina ( <i>Gender</i> ) MALE
Jawatan ( <i>Designation</i> )	CONSULTANT FELLOW	Tarikh Lahir ( <i>Date of Birth</i> )	15 JUNE 1948

Alamat Semasa ( <i>Current Address</i> )	Jabatan/Fakulti ( <i>Department/Faculty</i> )	E-mel dan URL ( <i>E-mail Address and URL</i> )
11342, JALAN MELOR 4, KG. SG. KANTAN, PKT3, KAJANG	INTROP	nikmatmajid.upm@gmail.com

<b>B. KELAYAKAN AKADEMIK (Academic Qualification)</b>			
Nama Sijil / Kelayakan ( <i>Certificate / Qualification obtained</i> )	Nama Sekolah Institusi ( <i>Name of School / Institution</i> )	Tahun ( <i>Year obtained</i> )	Bidang pengkhusususan ( <i>Area of Specialization</i> )
B.S.	Louisiana State University, Baton Rouge, Louisiana, U.S.A;	Sept, 1971 May, 1973	Crop Science
M.F.	Louisiana State University, Baton Rouge, Louisiana, U.S.A	June 1973 May, 1975	Forestry
Ph.D.	University of British Columbia, Vancouver, B.C., Canada	Jan 1980 June 1984	Forest Soils

<b>C. KEMAHIRAN BAHASA (Language Proficiency)</b>					
Bahasa / Language	Lemah <i>Poor</i> (1)	Sederhana <i>Moderate</i> (2)	Baik <i>Good</i> (3)	Amat Baik <i>Very good</i> (4)	Cemerlang <i>Excellent</i> (5)
English					/
Bahasa Melayu					/
Chinese					
Lain-lain ( <i>other</i> ):					

<b>D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN</b> <i>(Scientific experience and Specialisation)</i>				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Jawatankuasa Penilaian Skim Geran Penyelidikan Bidang Sains Tabii dan Warisan Negara.	Pengerusi	2007	2018	Natural resources
Asia Center for Air Pollution Research (ACAP) Japan.	Ahli Scientific Advisory Committee	2008	2018	Soil Science
Bioversity International	Honorary research fellow	2016	2018	Bioversity

<b>E. PEKERJAAN (Employment)</b>				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
UPM	Professor (Felo Penyelidik Utama)	INTROP	16 Jun 2013	UPM

<b>F. ANUGERAH DAN HADIAH (Honours and Awards)</b>				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
ICAN 2017	JARINGAN INDUSTRI BERIMPAK TINGGI		university	2017

**G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)**  
*(of publications – author (s), title, journal, volume, page and year published)*

<i>Journal</i>	<ol style="list-style-type: none"> <li>1. Nik Muhamad Majid, Mohd, Basri Hamzah and Shahruddin Ahmad. 1979. Rainfall interception, throughfall and stemflow in a secondary forest. PERTANIKA 2(2): 152-154.</li> <li>2. Srivastava, P.B.L., N.M. Majid and A.H. Sharif, 1980. Foliage and soil nutrients in <i>Rhizophora apiculata</i> stands. J. Trop. Ecol. 21(1): 113-124.</li> <li>3. Yusuf Hadi, Kamis Awang and Nik Muhamad Majid. 1984. Tertiary forestry education in Malaysia: Current thinking and future direction. Malay. For. 47(3): 174-184.</li> <li>4. T.M. Ballard and N. Majid. 1985. Use of pre-treatment increment data in evaluating tree growth response to fertilization. Canadian J. For. Res. 15: 18-22.</li> <li>5. Kamaruzaman Jusoff and Nik Muhamad Majid, 1986. The impact of skid trails on the physical properties of tropical hill forest soils. PERTANIKA 9(3): 311-321.</li> <li>6. Nik Muhamad Majid and Kamaruzaman Jusoff. 1987. The impact of logging on soil temperature in a low elevation forest of Malaysia. J. Trop. Ecol. 28: 35-52.</li> <li>7. Nik Muhamad Majid and T.M Ballard. 1990. Effects of foliar application of copper sulphate and urea on the growth of lodge pole pine. Forest Ecol. And Mgt. 37: 151-165.</li> <li>8. Kamaruzaman Jusoff and Nik Muhamad Majid. 1990. Inventory and monitoring of forest wetland resources of ASEAN. J. For. Ecol. And Mgt. 34: 63-79.</li>   <li>9. Bimal K. Paudyal and Nik Muhamad Majid. 1990. Preliminary thinning guideline for <i>mangium</i> Wild. Plantation in Kemasul Forest Reserve, Peninsular Malaysia. J. Trop. Sci. 25-34.</li> <li>10. Kamaruzaman Jusoff and Nik Muhamad Majid. 1992. An analysis of soil disturbance by logging operation in a hill forest of Peninsular Malaysia. J. For. Ecol. And Mgt. 47:323-330.</li> <li>11. Bimal K. Paudyal and Nik Muhamad Majid. 1992. Nutritional levels of different aged <i>mangium</i> Wild. Plantations in Kemasul Forest Reserve, Pahang, Peninsular Malaysia. Ecol.</li> <li>12. Nik Muhamad Majid and Bimal K. Paudyal. 1992. Pruning trial for <i>Acacia mangium</i> Plantation in Peninsular Malaysia. J. For. Ecol. And Mgt. 47: 285-293.</li> <li>13. Baharuddin K., Mokhtaruddin A.M. &amp; Nik Muhamad Majid.1993. Surface runoff and soil loss from logging roads in tropical forest. J. Trop. For. Science.</li> <li>14. Dahlan, I., Nik Muhamad Majid and M.Y. Sabri. 1994. Farming of Chital, Falan and Timorensis deer on Petronas Gas Pipeline route. Malaysian J. Animal Sci.</li> </ol>
----------------	---

	<p>15. Nik Muhamad Majid, Azizah Hashim and Idris Abdol. 1994. Rehabilitation of ex-mining land by agroforestry practice. <i>J. Trop. For. Sci.</i> 7 (I): 113-127.</p> <p>16. Nik Muhamad Majid. Azizah Hashim and Zakari Shah Budin, 1994. A fertilizer regime for early growth of <i>Acacia mangium</i> Wild. On sandy tailings. <i>Malaysian forester.</i></p> <p>17. K. Jusoff and Nik Muhamad Majid. 1994. Integrating needs of local community to conserve forest biodiversity on the of Kelantan, Malaysia. <i>J. Biodiversity and Conservation.</i></p> <p>18. Baharuddin K., Mokhtaruddin Ab. Manan and Nik Muhamad Majid. 1995. Impact of logging on soil physical properties in Tekam Forest Reserve, Peninsular Malaysia. <i>J. Trop. For. Sci.</i></p> <p>19. Mohd Zaki H., B. Othman, M.T. Amir Hafidz. A. Mohamad Azani, M. Nik Muhamad &amp; A.M Ismail Adnan 1995. Rehabilitation of degraded tropical forest areas in Sarawak using indigenous species – the Bintulu experience. <i>Eco-habitat</i>, 2(1): 1-18.</p> <p>20. K.G. Macdiken, A. Otsamo, B. Duguma and Nik M. Majid. 1996/97. Shade – control of <i>Imperata cylindrica</i> : tree fallows and cover crops. <i>Agro forestry systems</i> 36(1-3), 131-149.</p> <p>23. Nik Muhamad Majid Bimal K. Paudyal and Ah Cheang Ak Taheing. 1998. Initial growth performance of three indigenous timber species under different fertilizer regimes. <i>Malay Appl. Bio.</i></p> <p>24. Nik Muhamad Majid, Bimal K. Paudyal and Zarina bte. Shebli 1998. Survival and Early Growth of <i>Acacia mangium</i>, <i>Ceiba pentandra</i> and <i>Casuarina equisetifolia</i> on Sandy Tin Tailings. <i>Pertanika J. Trop. Agric. Sci</i> 21(1) : 59-65</p> <p>25. Suhaili H. R., Nik Muhamad M., Mohd. Zaki H. &amp; Bimal K.P. 1998. Initial growth performance of indigenous timber species by open planting technique on degraded forest land. <i>Malay. For.</i> 60(4): 232-242.</p> <p>26. Nik Muhamad Majid, Bimal K. Paudyal and Zarina bt. Shebli. 1998. Growth performance of three timber species on sandy tin tailings. <i>J. Trop. Agric. Sci.</i></p> <p>27. Bimal K. Paudyal and Nik Muhamad Majid. 1998. N.P.K fertilizer pot trial of <i>Acacia mangium</i> Willd. Seedlings. <i>Malay Appl. Biol</i> 26(2): 21-27.</p> <p>28. Bimal K. Paudyal and Nik Muhamad Majid. 1998. NPK fertilization trial on <i>Acacia mangium</i> Willd. Plantation in peninsular Malaysia. <i>J. Trop. For. Sci.</i></p>
--	---

29. Nik Muhamad Majid, Mohd. Azani bin Alias and Bimal K. Paudyal. 1998. Foliar nutrient sampling guidelines for different aged *Acacia mangium* Willd. Plantation in Peninsular Malaysia. *J. Trop. For. Sci.* 10(4): 431-437.
30. Bimal K. paudyal and Nik muhamad Majid. 1998. Relationship between growth and foliar nutrient concentration in *A. mangium* Willd. Seedlings. *J. Trop. For. Sci.* 10(4): 431-437.
31. Mohd. Zaki Hamzah and Nik Muhamad Majid. 1998. Growth performance of indigenous tree species planted without intensive site preparation. *J. Trop. For. Sci.* 10(4): 431-437.
32. Nik Muhamad Majid and Bimal K. Paudyal 1999: Growth Response of *Acacia mangium* Plantation to N.P.K. Fertilisation in Kemasul and Kerling, Peninsular Malaysia *J. Trop. For. Sci:* 11(2): 356-367.
33. Paudyal, B.K. and Nik Muhamad Majid 2000. The relationship between growth and foliar nutrient concentration in *Acacia mangium* seedlings. *J. Trop. For. Sci.* 12(2): 356-367.
34. Mohd. Zaki H. & Nik Muhamad M. 2000. Growth performance of indigenous tree species planted using pot-hole planting technique. *J. Trop. For Sci.* 12(2): 356-367.
35. Mohd Zaki Hamzah, Faridah Hanum Ibrahim, MOhamad Azani Alias, Nik Muhamad Majid, Mohd Kamil Yusoff and Kazue Fujiwara. 2004. Recovery of lowland Dipterocarp forests under the Malayan uniform system, *Tropics* 14 (1). Japan Society of Tropical Ecology.
36. Reiji Yoneda, Tanaka Kenzo, Mitsutoshi Kitao, Hiroyuki Tobita, Yutaka Maruyama, Yoosuke Matsumoto, Mohamad Azani Alias, Arifin Abdu, Nik muhamad Majid. (2004). Ecophysiological characteristics of tropical tree species planted on corrugated plantatin in Peninsular Malaysia (I). \_ Leaf gas exchange- Japan Society of Tropical Ecology. 19.
37. Reiji Yoneda, Yoosuke Matsumoto, Tanaka Kenzo, Mohamad Azani Alias, Muhamad Majid. 2005. The short term gas ex-change and photoinhibition responses in planted *Dyera constulata* seedlings under artificial shading sheltered open condition. *Jpn. J. For. Environment* 47(2), 113-118.
38. Reiji Yoneda, Yoosuke Matsumoto, Tanaka Kenzo, Mohamad Azani Alias, Muhamad Majid. 2005. Shelter Installations for the plantation of fragile tree species on tropical open land *Jpn. For. Environment* 47 (2), 119-123.
39. Arifin, A., Azani, M.A., Nik Muamad, N.M. & Mohd Zaki. M. 2005. Growth responses of five timber tropical timber species to sewage sludge application at Pedas Negeri Sembilan, Malaysia. *J. of Tropical. Science.*

	<p>40. Mitsutohi Kitao, Reiji Yoneda, Hiroyuki Tobita, Yoosuke Matsumoto, Yutaka Maruyama, Abdu Arifin, Alias Mohamad Azani, Majid Nik Muhamad. 2006. Susceptibility to photoinhibition in seedlings of six tropical fruit tree species native to Malaysia following transplantation to a degraded land. <i>Trees</i> (2006) 20: 601-610.</p> <p>41. Mohamad Azani A., Zahari I., Mohd Zaki, H., Nik Muhamad M., and Arifin A. 2006. Influence of Soil Properties on Density of <i>Eurycoma longifolia</i> Jack. In Lowland Health Forest, Pahang, Malaysia. <i>Trees</i> Springer-Verlag. Ref Numver Trees – 06-0011.</p> <p>42. Shajarutul MY, Ahmed OH, Wan Asrina WY and Nik Muhamad AM. 2007. Evaluation of nitrogen and potassium uptake and efficiency of two rice varieties cultivated on an acid soil. <i>American J. of Agric and Biol. Sci.</i> 2(3): 130-135.</p> <p>43. Mohd Taufik MY, Ahmed OH, Wan Asrina WY and Nik Muhamad AM. 2007. Effect of organic and inorganic fertilizers on nitrogen and potassium uptake and yield of sweet corn grown on an acid. <i>American J. of Agric. and Biol. Sci.</i> 2(2) : 118-122.</p> <p>44. Ellyfa K, Ahmaed OH, Shaharudin S and Nik Muhamad AM. 2007. Gamma radiosensitivity study on long bean (<i>Vigna sesquipedalis</i>). <i>Amer. J. of Applied Sciences (USA)</i>. 4(12): 1090-1093.</p> <p>45. Arifin, A., Tanaka, S., Shamshuddin, J., Zahari, I., Hattori, D., Nik Muhamad, N.M. and Sakurai, K. 2007. Soil characteristics under rehabilitation of degraded forestland in Perak, Peninsular Malaysia. <i>Pedologist</i>. 51(2): 76-88.</p> <p>46. Tanaka Kenzo, Reiji Yoneda, Yoosuke Matsumoto, Mohamad Alias Azani, Nik Muhamad Majid. 2007. Leaf ecophysiological responses on four Malaysia native tree species planted in different light conditions in degraded tropical secondary forest. <i>Japanese Agriculture Research Quarterly</i>.</p> <p>47. Arifin, A., Tanaka, S., Shamshuddin, J., Zahari, I., Hattori, D., Nik Muhamad, N.M. and Sakurai, K. 2007. Performance of tree growth under various planting methods and the assessment of site quality indexes under rehabilitation at secondary forest. <i>Acacia mangium</i> plantation. <i>Tropics</i>.</p> <p>48. Susilawati Kasim, Osumanu Haruna Ahmed, Nik Muhamad Ab. Majid and K. Yusof 2007. Effects of Extraction and Fractionation Period on the Yield of a Tropical peat Soil (Hemists) Human Acids. <i>Amer. J. of Agri and Bio. Sci.</i> 2(3) : 202-205.</p> <p>49. Nur Hanisah M. Ramzan, O.H. Ahmed, K. Susilawati, abd A.M. Nik Muhamad. 2007. Determination of minimal duration essential for isolation of humic acids from peat soils in forest restoration programmes. <i>Amer.J. Agri. &amp; Bio. Sci.</i> 3(3): 597-601</p>
--	---

	<p>50. Shamsuddin Rosliza, O.H. Ahmed, K. Susilawati And A.M. Nik Muhamad. 2008. Simple and rapid method of isolating humic acids from well decomposed tropical peat soils (Saprists). Amer. J. Applied Sci. 6(5):707-710</p> <p>51. Yoneda, R., Kenzo, T., Matsumoto, I., Ariffin Abdu, azani Alias and nik Muhamad Majid. 2008. Effects of sewage sludge application on planted seedlings at plantation forest in Peninsula Malaysia. Kanto J. For. Research 59:149-152.</p>
<i>Proceedings</i>	<p>1. L. Ratnam and Nik Muhamad Majid. 1979. Problems of conservation in Monsoon Forests. BIOTROP/TFT-4/79/340B: 18-35.</p> <p>2. Nik Muhamad Majid. 1979. Some aspects of recreation at Pengandaran Industrial Estate. BIOTROP/TFT/4/340-A: 45-48.</p> <p>3. Nik Muhamad Majid. 1979. Changes in total soil nitrogen status under three tropical hardwood plantation forests. Proc. Workshop "Nitrogen Cycling in South East Asian Wet Monsoonal Ecosystem". Chiang Mai Thailand. 12pp.</p> <p>4. Yahya M. Nor and Nik Muhamad Majid. 1979. Urase activity in some Malaysian soils. Proc. Workshop "Nitrogen Cycling in South-East Asian Wet Monsoonal Ecosystem" Chiang Mai Thailand. 19pp.</p> <p>5. Kamaruzaman Jusoff and Nik Muhamad Majid. 1988. Effects of site preparation methods on soil physical characteristics. In: 745 - 754 S. Rimwanich (ed.) Proc. 5th. Int. Soil Conservation Conf. Land Conservation for future generations. Bangkok, Thailand.</p> <p>6. Nik Muhamad Majid, Kamis Awang and Kamaruzaman Jusoff. 1987. Impacts of sheep grazing on soil properties and growth of rubber (<i>Hevea brasiliensis</i>). In: 471 - 482. W.S. Reid and T.O. Darnhofer (eds.) Proc. Int. Workshop on the Application of Meteorological Agroforestry Systems, Planning and Management. Nairobi, Kenya.</p> <p>7. R.K. Raina, Nik Muhamad Majid and Rusli Mohd. (eds.). 1989. Proc. Training Course on Forest Products Marketing. Asia Pacific Forest Industries Dev. Group. FAO/UNDP. RAS/86/001 Document No. 10. 120 pp.</p> <p>8. Nik Muhamad Majid and Ismail Harun. 1990. Integrated farming under rubber plantation in Peninsular Malaysia. Agroforestry Systems and Technologies. BIOTROP Spec. Publ. 121 - 133.</p> <p>9. Bimal K. Paudyal, Nik Muhamad Majid and Rusli Mohd. 1991. The determination of age for first thinning <i>Acacia mangium</i> plantation in Peninsular Malaysia. Proc. In: S.A. al., Regional Symp. on Recent Development in Tree plantations of humid/subhumid tropics in Asia. Univ. Pertanian Malaysia, Serdang, Selangor, Malaysia. pp 495 - 504.</p>

- |  |   |
|--|---|
|  | <p>10. Nik Muhamad Majid and Azizah Hashim. 1994. Rehabilitation of sandy tailings using native species <i>In</i>: A. Suhartoyo and D. Hadriyanto (editors). Proc. Int. Symp. Asian. Asian Forest Management. PUSREHUT - UNMUL and JICA, Samarinda, Indonesia. pp. 167-178.</p> <p>11. Mohd Zaki Hamzah, Ismail Adnan Abdul Malek, Nik Muhamad Majid and Mohd. Azani. Rehabilitation of degraded tropical rainforests ecosystem: UPM/UNIMAS Joint Project, Bintulu, Sarawak, Malaysia. <i>In</i>: A. Suhartoyo and D. Hadriyanto (editors). Proc. Int. Symp. Asian Tropical Forest Management. PUSREHUT - UNMUL and JICA, Samarinda, Indonesia. pp. 144-165.</p> <p>12. Maswar, A.M. Mokhtaruddin, N.M. Majid, I.F. Hanum, M.K. Yusoff, A. Mohamad Azani and S. Kobayashi. 2000. Evaluation of Methods for Rehabilitation of Logged-over Lowland Forest in Pasoh, Negeri Sembilan, Malaysia. Pp <i>In</i>: S. Kobayashi, J. Turnbull, T. Mori and N.M.N.A. Majid (Eds.); Proceedings of the international workshop on the Rehabilitation of Degraded Forest Ecosystems, 2-4 November 1999, CIFOR, Bogor, Indonesia.</p> <p>13. M. K. Yusoff, S. S. Heng, Nik Muhamad Majid, A.M. Mokhtaruddin, I. F. Hanum, A. M. Azani and S. Kobayashi. 2000. Effects of Different Land Use Patterns on the Stream Quality in Pasoh, Negeri Sembilan, Malaysia. Pp <i>In</i>: S. Kobayashi, J. Turnbull, T. Mori and N.M.N.A. Majid (Eds.); Proceedings of the international workshop on the Rehabilitation of Degraded Tropical Forest Ecosystems, 2-4 November 1999, CIFOR, Bogor, Indonesia.</p> <p>14. A.M. Mokhtaruddin, Maswar, N.M. Majid, M. Kamil Yusoff, I. F. Hanum, A. Mohamad Azani and S. Kobayashi. 2000. Soil Factors Affecting Growth of Seedlings in Logged-over Tropical Forest in Pasoh, Negeri Sembilan, Malaysia. Pp <i>In</i>: S. Kobayashi, J. Turnbull, T. Mori and N.M.N.A. Majid (Eds.); Proceedings of the international workshop on the Rehabilitation of Degraded Tropical Forest Ecosystems, 2-4 November 1999, CIFOR, Bogor, Indonesia.</p> <p>15. A.M. Azani, N. M. Majid and S. Meguro. 2000. Rehabilitation of Tropical Rainforests on Indigenous Species. Pp <i>In</i>: S. Kobayashi, J. Turnbull, T. Mori and N.M.N.A. Majid (Eds.); Proceedings of the international workshop on the Rehabilitation of Degraded Tropical Forest Ecosystems, 2-4 November 1999, CIFOR, Bogor, Indonesia.</p> <p>16. Nik Muhamad Majid Evelyn Varquez Bigcas and Mohamad Azani Alias. (2000) Role of native species in landscape restoration: Malaysian experience. Pp <i>In</i>: Forests and Society: The Way Forward. Sub Plenary Sessions. Volume 1. XXI IUFRO World Congress 7 – 12 August 2000, Kuala Lumpur Malaysia.</p> <p>17. Mohamad Azani Alias, Nik Muhamad Majid, I. Faridah Hanum, Mohd Zaki Hamzah, M. Yusoff and Mohd Yusuff Baharom. Species Trial And Soil Characteristics Of Rehabilitated Logged-over Forest At Pasoh, Peninsular Malaysia. In S. Kobayashi, Y. Matsumoto (eds.). Proceedings of the International Conference on the Rehabilitation of Degraded Tropical Forests, Southeast Asia 2003, Tsukuba, Japan. pp. 1-10.</p> <p>18. Mohamad Azani A., Nik Muhamad Majid, Mohd Zaki Hamzah, I. Faridah Hanum, M.K. Yusoff and S. Kobayashi. 2000. Rehabilitation of Degraded Tropical Forests Using Native Species. Pp <i>In</i>: S. Kobayashi, J. Turnbull, T. Mori and N.M.N.A. Majid (eds.). Proceedings of the International Conference on the Rehabilitation of Degraded Tropical Forests, Southeast Asia 2003, Tsukuba, Japan. pp. 1-10.</p> |
|--|---|

	<p>Ali Lee and Norsafaaiyah Mohd Jaafar. Growth Performance Of Indigenous Tree Species In Rehabilitated Abandoned Shifting Cultivation Area In Bintulu, Sarawak. In S. Kobayashi, Y. Matsumoto (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2003, Tsukuba, Japan. pp. 95 - 103.</p> <p>19. Mohd Zaki Hamzah, Mohamad Azani Alias, I. Faridah Hanum, Mohd Kamil Yusoff and Muhamad Majid. Recovery Assessment As A Prerequisite For Rehabilitation Of Degraded Forest. In S. Kobayashi, Y. Matsumoto (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2003, Tsukuba, Japan. pp. 77 - 85.</p> <p>20. Azani, Nik Muhamad Nik Abd Majid, Zaki, Arifin, Reiji Yoneda and Yoosuke Matsumoto. Development of Rehabilitation Technologies for Establishment of Natural Forest on Degraded Land. In Y. Matsumoto, S. Kobayashi, (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2004, Tsukuba, Japan. pp. 83-88.</p> <p>21. Arifin Abdu, Nik Muhamad Abd majid, Zaki, and, Azani, 2004. Effects of Sewage Application on the Growth Performance of Five Timber Tree Species in Malaysia. In Y. Matsumoto, S. Kobayashi, (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2004, Tsukuba, Japan. pp. 123-131.</p> <p>22. Reiji Yoneda, Tanaka Kenzo, Yoosuke Matsumoto, Yutaka Maruyama, Arifin Abdu, Azani M.A., and Nik Muhamad, 2004. Gas Exchange Rate of Nine Fruit Tree Species Planted on The Degraded Land. In Y. Matsumoto, S. Kobayashi, (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2004, Tsukuba, Japan. pp. 89-98.</p> <p>23. Mitsutoshi Kitao, Reiji Yoneda, Hiroyuki Tobita, Yoosuke Matsumoto, Yutaka Maruyama, Arifin Abdu, Azani M.A., and Nik Muhamad, 2004. Photosynthetic Properties and Susceptibility to Photoinhibition in Seedlings of Six Tropical Fruit Tree Species Native to Malaysia. In Y. Matsumoto, S. Kobayashi, (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2004, Tsukuba, Japan. pp. 99-107.</p> <p>24. Nik Muhamad Nik Abd Majid, Azani, M.A. and Arifin, 2004, Universiti Putra Malaysia Institute of Research in Forest Rehabilitation Research. Research on Rehabilitation on Degraded Forests in Malaysia. In Y. Matsumoto, S. Kobayashi, (eds.). Proceedings - Rehabilitation of Degraded Tropical Forests, Southeast Asia 2004, Tsukuba, Japan. pp. 77-81.</p> <p>25. Ariffin, A., Tanaka, S., Shamshuddin, J., Zahari, I., Hattori, D., Nik Muhamad, N.M. &amp; Saad, 2007. soil nutrient status of rehabilitated degraded forestland in Perak, Peninsular Malaysia. Proceedings of International Symposium on Forest Soil and Forest Health linking management to globalchange challenges, Queensland, Australia. P. 5-6.</p> <p>26. Ariffin, A., Tanaka, S., Shamshuddin, J., Zahari, I., Hattori, D., Nik Muhamad, N.M. &amp; Saad, 2007.Influence of soil properties on the growth of Shore pauciflora in rehabilitated</p>
--	---

	<p>dipterocarp forest in Perak, Peninsular, Malaysia. Proceedings of International Symposium on Forest Health Linking Local Management to Global Challengers, Queensland, Australia.</p> <p>27. Mohd Taufik, M.Y., Ahmed, O.H. &amp; Nik Muhamad, A.M. 2009. Effects of mixing urea with sulphate soil and humic acid on Ammonia loss, exchangeable Ammonium and available Nitrogen. In: Proceedings of Soil Health: Preserving Resources for Sustainable Agriculture, Terengganu, Malaysia. Organized by Malaysian Society of Soil Science &amp; MARDI. P. 146-149.</p> <p>28. M.M. Islam, Nik M. Majid and Lydia Mathew. 2011. Assessment of Heavy Metals Uptake and Translocation in Acacia mangium For Phytoremediation of Sewage Sludge Contaminated Soils. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 335-342.</p> <p>29. Shibli, N.M., Nik M. Majid, M.S. Noor Azhar and A. Arifin. 2011. Phytoremediation of Heavy Metals Contaminated Soils by Forest Tree Species. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 365-374.</p> <p>30. Susilawati, K., M.I. Hilmi, S. Azira, O.H. Ahmed and Nik M. Majid. 2011. UPM-EAN Project: Soil and Plant Responses to Simulated Acid Rain Treatments. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 435-442.</p> <p>31. Tang, A., Wong, S.K., O.H. Ahmed and Nik M. Majid. 2011. Isolation and Characterization of Cellulolytic, Nitrogen-Fixing and Phosphate-Solubilizing Soil bacteria From a Rehabilitated Forest in Bintulu. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 179-184.</p> <p>32. Franklin R. Kundat, Nik M. Majid, O.H. Ahmed and Wong S. King. 2011. In Vitro Assessment of Microbial Isolates from Soil Rhizosphere of a Rehabilitated Forest. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 211-218.</p> <p>33. Melvin, K.K.K., S.B. Japar, O.H. Ahmed, Nik M. Majid, K.J.H. Roland and J. Silvester. 2011. Production, Decomposition and Standing Forest Litter of Rehabilitated Forests at Sarawak, Malaysia. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 287-291.</p> <p>34. Roland, K.J.H, Nik M. Majid, G. Seca and O.H.Ahmed. 2011. Total Aboveground Biomass of Selected Age Stand of A Rehabilitated Forest. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 53-58.</p>
--	--

35. Matsumoto,Y.,Kenzo T., Yoneda, R., Mohamad Azani, A. and Nik M. Majid. 2011. Enhancing Planting in Degraded Tropical Secondary Forest in Ayer Hitam Forest Reserve, Peninsular Malaysia. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 63-68.
36. Ahmed, O.H., Leng, L.Y. and Nik M. Majid. 2011. Humic Acids and Stable Carbon Storage in Rehabilitated and Secondary Forest Soils of Sarawak Malaysia. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 71-76.
37. Sase, H., N.Yamashita, J.Luangjame, H.Garivait, T.Visaratana, B.Kietvuttinon, B. Horwitz, S.Urban, K.P.Leong. Y.Y.Toh, Nik Muhamad Majid, A.Sanusi,O.H.Ahmed, S.Gandaseca, N.Chappell S.Ohta, J.Shindo, K.Hayashi and K.Matsuda.The EANET Challenges on Catchment Scale Monitoring In Asian Forests. In: Nik Muhamad Majid, Osumanu Haruna Ahmed, Ahmad Said Sajap, Md. Monirul Islam (eds.). Proc. International Symposium on Rehabilitation of Tropical Rainforest Ecosystems 2011. UPM Press. pp 131-136
38. Islam.M.M, S.Akhter, S.Noor and Nik.M.Majid. 2013. Good Agriculture Practice (GAP) for Health Sustainability. In: Wan Rashidah Kadir, Rosazlin Abdullah, Mohamad Fakhri Ismail, Fauziah Ishak, Liew yew Ann, Zulkefli Malaik and Christopher The Boon Sung (eds.). Pesticide Science Conference of Malaysia 2013. pp 98-103.
39. Aziera, Z. and Nik M. Majid. 2013. *Ricinus communis* as a phytoremediator of contaminated soil. In: Seca Gandaseca, Osumanu Haruna Ahmed, Shahrul Razid Sabrani, Khairulmazmi Ahmad, Zamri Rosli, Roland Kueh Jui Heng (eds.). Proc. Of The International Symposium on Tropical Forest Ecosystem Science and Management 2013. UPM Press. Pp 119-124.
40. Seca G., Chandra I. A., Osumanu H. A., Nik Muhamad Ab. Majid. 2013. Carbon Storage and Carbon Sequestration of mangrove Forest in Sarawak. In: Seca Gandaseca, Osumanu Haruna Ahmed, Shahrul Razid Sabrani, Khairulmazmi Ahmad, Zamri Rosli, Roland Kueh Jui Heng (eds.). Proc. Of The International Symposium on Tropical Forest Ecosystem Science and Management 2013. UPM Press. Pp 114-118.
41. Ahmed, O.H., Makilan, M., Ywih, C.H. and Nik M. Majid. 2013. Early Stage Tropical Rainforest Nitrogen, Phosphorus, and Carbon of a secondary forest to oil palm plantation. In: Seca Gandaseca, Osumanu Haruna Ahmed, Shahrul Razid Sabrani, Khairulmazmi Ahmad, Zamri Rosli, Roland Kueh Jui Heng (eds.). Proc. Of The International Symposium on Tropical Forest Ecosystem Science and Management 2013. UPM Press. Pp 133-134.
42. Tang, A., Wong S.K., Ahmed, O.H. and Nik. M. Majid. 2013. Potential Plant-growth promoting activities of a cellulolytic bacterium isolated from tropical rehabilitated forest soil. In: Proc. Symp. on Tropical Forest Ecosystem Science and Management.
43. Ch'ng Huck-ywih Ahmed, O.H. Susilawati Kassim and Nik. M. Majid. 2013. Soil carbon

	<p>of a newly established tropical rehabilitated forest soil. Proc. Int. Symp. on Tropical Forest Ecosystem Science and Management.</p> <p>44. Chandra I.A., Seca G., Noraini R., Ahmed, O.H. and Nik. M. Majid. 2013. Soil Carbon Storage and different species dominance of Sarawak mangrove forest, Malaysia. Proc. International Symposium on Tropical Forest Ecosystem Science and Management 2013.</p> <p>45. Fairuz Mohd sani, Nik. M. Majid and K.J.H. Roland. 2013. Structure and species composition of an 18 year old rehabilitated forest. Proc. Of The Int. Symp. on Tropical Forest Ecosystem Science and Management.</p>
<i>Other publications</i>	
<i>Computer software</i>	

#### **H. PROJEK PENYELIDIKAN TERDAHULU(Past Research Project)**

<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>

#### **I. ID PUBLISHING (Publishing ID)**

	<i>Author ID</i>	<i>Name</i>
<i>Scopus</i>		
<i>ORCID</i>		
<i>Web of Science ID</i>		
<i>Researcher ID</i>		
<i>Others</i>		

#### **J. RANGKAIAN SOSIAL (Social Networking)**

<i>Facebook</i>	
<i>LinkedIn</i>	
<i>Researchgate</i>	
<i>Academia</i>	
<i>Google Scholar</i>	
<i>Blog</i>	
<i>Website url</i>	
<i>Others</i>	