



CURRICULUM VITAE



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CURRICULUM VITAE

A. MAKLUMAT UMUM (GENERAL INFORMATION)	
Nama (Name):	Othman Talib
Gelaran (Title)	Dr
Jawatan (Position)	Pensyarah Kanan (Senior Lecturer)
Kelayakan (Qualification)	SmSn (UKM), M.Sc (UPM), EdD (ADELAIDE)
Jabatan (Department)	Pendidikan Sains & Teknikal (Science and Technical Education)
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B. KEPAKARAN
<p>Othman Talib mendapat pendidikan menengah dan pasca menengah di Sekolah Menengah King George V, Seremban dan Pusat Matrikulasi Universiti Kebangsaan Malaysia (UKM). Beliau mendapat ijazah pertama dalam bidang Kimia dari UKM pada tahun 1986. Setahun kemudian beliau menjawat jawatan Guru Kimia di Pusat Matrikulasi, Universiti Putra Malaysia (UPM). Beliau kemudian mendapat Ijazah Sarjana dalam Pedagogi daripada UPM dan kemudiannya pada tahun 2000 menjawat jawatan pensyarah di Fakulti Pengajian Pendidikan, UPM. Pada tahun 2003, beliau melanjutkan pelajaran bagi mendapatkan ijazah kedoktoran di University of Adelaide, Australia. Beliau telahpun mendapat ijazah Doctor in Education pada tahun 2007.</p> <p>Dr. Othman Talib completed his secondary and post-secondary education at the King George V Secondary School, Seremban and the Matriculation Centre, University Kebangsaan Malaysia (UKM). He completed his first degree in Chemistry from UKM in 1986. A year later, he was appointed as a Chemistry teacher at the Matriculation Centre, University Putra Malaysia (UPM). He completed his Master in Pedagogy from UPM in 1999 and then in February 2000, was appointed as a lecturer with the Faculty of Educational Studies, UPM. In 2003, he pursued his study for the Doctor of Education degree at the University of Adelaide, Australia. He obtained the Doctor of Education degree in 2007.</p>

C. BIDANG PENYELIDIKAN (RESEARCH AREA)
Computer in Education Science education and constructivism Chemistry education and students' conceptual change Computer animation to teach complex and dynamic science concepts Inventory for readiness in science learning Flash / short animation in science education Students' misconception in science / chemistry Experimental research in science education How students learn and understand science concepts Methods of teaching science / chemistry

D. PENYELIDIKAN SEMASA (CURRENT RESEARCH)
05-01-07-231FR Profiling Performance Indicators for Science Students Ministry of Higher Education Grant (MOHE – FRGS)Completed 06-01-07-027RU Development of Constructivist courseware for mastering organic reaction mechanisms Ministry of Higher Education Grant (MOHE –RUGS) 06-01-07-0268RU Development of interactive web-based learning environment for enhancing university Students' learning in Chemistry Ministry of Higher Education Grant (MOHE – RUGS) FRGS / KPT 2010-12-106-04 Pedagogical Conceptual Framework for Science Misconceptions Among Primary School Students Ministry of Higher Education Grant ERGS / KPT 5527031 Exploring Creativity for Innovation: Learning and discovering science concepts through play with multimedia applications Ministry of Higher Education Grant

E. PENERBITAN (PUBLICATION)

- Othman Talib (2004). Modul SBSC3303 – Teknik Asas keselamatan Dalam Makmal. Open University Malaysia (OUM): Univision Press
- Othman Talib, Matthews, R., & Secombe, M. (2005). Constructivist Animation - A Promising Alternative Tool in Bridging Theory - Practice Gap in Science Education. Paper presented at the International Conference on Science and Mathematics Education 2005, RECSAM, Penang Malaysia, 6-8 December.
- Othman Talib, Matthews, R., & Secombe, M. (2005). Computer-Animated Instruction and Students' conceptual change – Preliminary Qualitative Analysis. *International Educational Journal*, 5(5), pp. 29-42.
- Othman Talib, Matthews, R. & Secombe, M (2005). Prototype Model of Computer-Animated Instruction in electrochemistry – Preliminary Quantitative Analysis. In H.S Dhinsa, I.J. Kyeleve, O. Chukwu & J.S.H.Q. Perera (Eds). *The International Conference on Future Directions in Science, Mathematics and Technical Education* (pp.101-110). Gadong: University Brunei Darussalam.
- Othman Talib, Matthews, R., & Secombe, M. (2005). Computer-Animated Instruction and Students' conceptual change – Preliminary Qualitative Analysis. *International Educational Journal*, 5(5), pp. 29-42.
- Othman Talib, Shah Christirani Azhar & Nabila Abdullah (2006). Using systematic animation to teach dynamic science concepts. *Learning by Effective Utilization of Technologies Facilitating Intercultural Understanding* (pp.543-550). Oxford: IOS Press.
- Othman Talib, Matthews, R. & Secombe, M (2006). Innovative constructivist-animated instruction in teaching complex, abstract and dynamic concepts. *Jurnal Pendidikan*, vol. 26, University Malaya.
- Othman Talib & Shah Christirani Azhar (2007). Constructivist animation and matriculation students' conceptual change. *Proceeding of the Seminar Pendidikan Pra Universiti / Matrikulasi*. PJ , 4-5 August 2007, 72-79.

F. PENGAJARAN (TEACHING)

- EDU 3033 – IT in education
- EDU 3077 – Chemistry Teaching Methods
- EDU 3773 – Science for Secondary School
- EDU 3771 – Science Laboratory Management