CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI ***(Personal Details)***			
Nama Penuh *(Full Name)*	Natrah Fatin Mohd Ikhsan		Gelaran *(Title):* Dr.
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* 800731-10-5312	Warganegara *(Citizenship)* Malaysian	Bangsa *(Race)* Malay	Jantina *(Gender)* Female
Jawatan *(Designation)*	Senior Lecturer	Tarikh Lahir *(Date of Birth)*	31/07/1980

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
Dept. of Aquaculture, Faculty of Agriculture, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia Tel: 03-89474972	Dept. of Aquaculture, Faculty of Agriculture, Universiti Putra Malaysia, 43400 Serdang, Selangor, Malaysia Tel: 03-89474972	E-mail: natrah@putra.upm.edu.my URL: www.agri.upm.edu.my/cv/natrah.htm natrahikhsan.wordpress.com H/P: 019-2661517

B. KELAYAKAN AKADEMIK ***(Academic Qualification)***			
Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhususan *(Area of Specialization)*
PhD	University of Ghent, Belgium	2011	Applied Biological Sciences (Aquatic Microbial Ecology)
MSc	Universiti Putra Malaysia	2007	Aquatic Biotechnology
BSc	Universiti Putra Malaysia	2003	Biology

C. KEMAHIRAN BAHASA *(Language Proficiency)*					
Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English					
Bahasa Melayu					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(Scientific experience and Specialisation)

Organization	*Position*	*Start Date*	*End Date*	*Expertise*
Malaysian Fisheries Society	Vice president	May 2016	May 2018	Society Involvement
Scripps Institution of Oceanography,	Visiting scholar	April, 2014	June, 2014	Aquatic Microbial Ecology
Penang Port Commission	Consultant	15 September 2015	14 September 2016	Phytoplankton research

E. PEKERJAAN *(Employment)*

Majikan / *Employer*	Jawatan / *Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
Universiti Putra Malaysia	Senior Lecturer	Department of Aquaculture	Disember 2011	present
Universiti Putra Malaysia	Tutor	Department of Aquaculture	2006	2011
University of Ghent	Lab demonstrator for Algae culture, Diseases of Aquaculture, Aquaculture and Environment & Quorum sensing practicum	Laboratory of Artemia Reference Centre & Aquaculture	2008	2011
Universiti Putra Malaysia	Research Assistant	Department of Biology	2004	2005
Universiti Putra Malaysia	Lab demonstrator for Plant Physiology practicum	Department of Biology	2003	2003

F. ANUGERAH DAN HADIAH *(Honours and Awards)*

Name of awards	*Title*	*Award Authority*	*Award Type*	*Year*
Academic Awards	Merdeka Award Grant for International Attachment	Petronas, ExxonMobil & Shell	National	2013
	LARVITA Fish Larvae Training School Grant, Faro, Portugal	LARVANET COST Action	International	2010
	SEAFDEC Grant for paper	SEAFDEC	International	2006

	presentation in the 6th Asia Pacific Conference on Algal Biotechnology, Philippines			
	National Science Fellowship	Ministry of Science & Technology	National	2005
	Indigenous microalgae: natural sources of antioxidants with high nutritional values	Exhibition of Invention, Research & Innovation, UPM	Silver medal	2006
	Microalgae as natural source of antioxidants	Institute of Bioscience Exhibition, UPM	Gold medal	2005

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

Journal

Selected publications (Publications last 5 years)

H-index : 7
Total citation : 283

Pande GSJ, **Natrah FMI**, Flandez AVB, Kumar U, Niu Y, Bossier P, Defoirdt T (2015) Isolation of AHL-degrading bacteria from microalgal cultures and their impact on algal growth and on virulence of Vibrio campbelii to prawn larvae. Applied Microbiology and Biotechnology 1-9 **(IF: 3.337, Q1)**

Natrah FMI, Muta Harah, Japar Sidik B, Izzatul NMS, Syahidah A. (2015). Antibacterial activities of selected seaweed and seagrass from Port Dickson coastal water against different aquaculture pathogens. Sains Malaysiana 44: 1269-1273. **(CIJ. Impact factor: 0.480)**

Natrah FMI, Bossier P, Sorgeloos P, Yusoff FM, Defoirdt T (2014). Significance of microalgal-bacterial interactions for aquaculture. Reviews in Aquaculture **(IF:2.326,Q1)**

Pande GSJ**, Natrah FMI,** Sorgeloos P, Bossier P, Defoirdt T (2013) The *Vibrio campbellii* quorum sensing signals have a different impact on virulence of the bacterium towards different crustacean hosts. Accepted in Veterinary Microbiology **(IF:3.127,Q1)**

Natrah FMI, Alam MI, Pawar S, Harzevili SA, Nevajan, N, Boon N, Sorgeloos P, Bossier P, Defoirdt T (2012). The impact of quorum sensing

	and micro-algae on the virulence of *Aeromonas hydrophila* and *Aeromonas salmonicida* towards burbot (*Lota lota* L.) larvae. Veterinary Microbiology. 159:77-82. **(IF:3.127,Q1)** **Natrah FMI**, Defoirdt T, Sorgeloos P, Bossier P (2011) Disruption of bacterial cell-cell communication by marine organisms and its relevance to aquaculture. Marine Biotechnology 13:109-126. **(IF: 2.739, Q1).** **Natrah FMI**, Kenmegne MM, Wiyoto W, Sorgeloos P, Bossier P, Defoirdt T (2011) Effects of micro-algae commonly used in aquaculture on acyl-homoserine lactone quorum sensing. Aquaculture 317:53-57. **(IF: 2.009,Q1)** **Natrah FMI**, Ruwandeepika HAD, Pawar S, Karunasagar I, Sorgeloos P, Bossier P, Defoirdt T (2011) Regulation of virulence factors by quorum sensing in *Vibrio harveyi*. Veterinary Microbiology 154:124-129. **(IF:3.127,Q1)**
Books/Monographs	**Natrah FMI** (2011) Role of bacterial quorum sensing and micro-algae in fish and crustacean larviculture. PhD thesis, Ghent University, Ghent, Belgium. ISBN number: 978-90-5989-482-2
Proceedings	**Proceedings (International congress)** **Keynote speaker** Natrah FMI (2016) Quorum sensing: Eavesdropping bacterial communication in marine environments. 2nd International Conference on Marine Ocean and Environmental Sciences and Technologies (Marocenet2016). 15th-17th March 2016. Bandung, Indonesia **Conference presenter** **Natrah FMI**, Karim M, Noor MN, Li YL (2015). Inhibition of quorum sensing from bacteria associated with *Artemia*. 2nd International Conference on Fisheries Aquaculture. Colombo, Sri Lanka (Oral presentation). **Natrah, FMI,** Muta Harah, Z. and Japar Sidik, B. (2013). Screening of anti-bacterial and anti-quorum sensing activities from seaweed in Peninsular Malaysia. In Program and Abstract National Research Council of Thailand (NRCT) and JSPS Joint International Seminar on Coastal Marine Science in Southeast Asia, Pp. 79. 15-17 November 2013, Chiang Mai, Thailand. (Oral presentation) **Natrah FMI**, Alam MI, Pawar S, Flandez AV, Suan HJ, Sorgeloos P, Bossier P, Defoirdt T (2011) The impact of quorum sensing disruption on the virulence of pathogenic bacteria towards prawn, mussel and burbot larvae. Aquaculture Europe, Rhodes, Greece. 19-21 October 2011 (Oral presentation). **Proceedings (National congresses)** **Invited speaker** **Natrah FMI** (2015) Probiotic and prebiotic in aquaculture. Malaysian Fisheries Society- Managing Malaysian Aquaculture Seminar, Selangor

	Malaysia, Greece. 9th May 2015 **Natrah FMI**, Pande GSJ, Sorgeloos P, Bossier P, Defoirdt T (2015) The impact of *Vibrio harveyi* quorum sensing on its virulence factor regulation and pathogenicity towards Giant River Prawn *Macrobrachium rosenbergii* larvae. National Seminar on Advances in Fish Health, Selangor. 4-5 February 2015 (Oral presentation).

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

Project No.	*Project Title*	*Role*	*Year*	*Source of fund*	*Status*
07-02-13-1375R	Characterization of the role and growth promoting properties of bacteria symbiotically associated with red seaweed *Gracilaria changii*	Project leader	2013-2015	FRGS	Completed
06-01-04-SF1730	Modulation of synbiotic gastrointestinal persisters with quorum sensing interference properties in Freshwater Prawn (*Macrobrachium rosenbergii*)	Project leader	2013-2015	ScienceFund	Completed
9325600	Understanding microalgae and bacteria interactions in bioflocs system	Project leader	2012	Research University Grant Scheme	Completed
6376500-10201	Bacterial quorum sensing inhibitors by indigenous microorganisms in shrimp ponds	Project leader	2012	Yayasan Pak Rashid	Completed