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PROGRAMME SCHEDULE

IFS2011 ORAL PRESENTATION PROGRAM SCHEDULE

MONDAY, OCTOBER 3

Keynote Address

10:00 – 11:00	*Y.H. Dato' Ahamad Sabki bin Mahmood, Director General, Department of Fisheries Malaysia* Chairman: *Prof. Dr. Sakri Ibrahim, Universiti Malaysia Terengganu* Venue: Berlian Hall

PLENARY 1

14:00 – 14:50	Plenary Lecture I: Fisheries Economic and Marketing *Dr.Stephen J.Hall, Director General, The WorldFish Center, Malaysia* *Chairman: Prof. Dr. Faizah Shaharom, Universiti Malaysia Terengganu* Venue: Berlian Hall

Session 1 : FISHERIES AND Marine SCIENCE

Monday, October 3 15:20 – 17:40
Venue: Berlian Hall
Chairman: Assoc. Prof. Dr. Thumronk Amornsakun

15:20 – 15:40	[001]	Analysis of α-linolenic acid from *Monostroma nitidium* as a mitigation agent to remove harmful algal bloom species of *Fibrocapsa gaponica* ***Moch Amin Alamsjah***
15:40 – 16:00	[002]	Effects of vegetation and water dynamics of pyrite (FeS_2) oxidation in reclaimed tidal lowlands, South Sumatra. ***Edo Armanto M.**, Adzemi Mat Arshad, Imanudin M.S. and Elisa Wildayana*
16:00 – 16:20	[003]	Fish forecasting system using sea surface temperature and chlorophyll statellite images: A statistical model approach ***Raja Bidin Raja Hassan** and Mohamed Rawidean Mohd Kassim*
16:20 – 16:40	[004]	Possible fisheries in the deep sloping areas of the Malaysian EEZ in the South China Sea ***Samsudin B.** and Rosidi A.*
16:40 – 17:00	[005]	Types and diversity of phytoplankton in different zones of the Koto Panjang reservoir, Riau, Indonesia **Madju Siagian** and Syamaruddin Siregar
17:00 – 17:20	[006]	Seagrass biversity in Port Dickson, Malaysia with notes on the biological aspects of *Thalassia hemprichii Ascherson* ***Abu Hena M.K.,** Japar Sidik B., Misri K and Hishamuddin O.*
17:20 – 17:40	[007]	Diversity of seaweeds on the lower south on Gulf of Thailand Coast ***Rapeeporn Ruangchuay**, Mantana Nualcharoen, Prateep Nualchareoen and Chockai Lueangthuwaprait*

1st INTERNATIONAL FISHERIES SYMPOSIUM 2011

ABSTRACT

ORAL PRESENTATION

LIST OF ORAL PRESENTATION

[005]

Types and diversity of phytoplankton in different zones of the Koto Panjang reservoir, Kampar, Riau, Indonesia

Madju Siagian and Syamaruddin Siregar

A study on the type and phytoplankton diversity in the Koto Panjang Reservoir (Hydro-Electric Power Plant Reservoir), Kampar, Riau, Indonesia, has been conducted from May to October 2009. For water quality analysis, water samples were collected every month from 6 stations on the reservoir which consisted of 1 station on the riverine zone. 2 stations of the transition waters, and 3 stations on the lacustrine zone. The components of the samples have been taken vertically as well as horizontally. The diversity of the phytoplankton varies by zones, and there were 4 classes of phytoplankton which were consist of 6 types of Bacillariophyta, 5 types if Chlorophyta, 3 types of Cryssophyta, and 3 types of Cyaniphyta. Therefore, there were 17 types of phytoplankton have been recorded. The abundance of phytoplankton at the lacustrine zone was higher, compared to transition zone and riverine zone. Such condition was estimated die to the higher of N and P ratio on the lacustrine zone compared to the transition and riverine zone. The analysis of index diversity, domination and similarity indicated that the condition of the reservoir still in suitable (balance) condition for phytoplankton without dominant species.

[006]

Seagrass biversity In Port Dickson, Malaysia with notes on the biological aspects of *Thalassia hemprichii* Ascherson

Abu Hena M. K.[1], Japar Sidik B.[1], Misri K.[2], Hishamuddin O.[2]

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Seagrass is a valuable component, which contributes significantly into the coastal productivity and stabilizes sea floor sediments in the shallow coastal marine ecosystems. The present study was conducted in monospecific patches of inter-tidal seagrass bed at Port Dickson, Negeri Sembilan, Malaysia. Seven species of seagrasses were identified during this study i.e., *Cymodocea serrulata, Thalassia hemprichii,Enhalus acoroides, Halophila ovalis, H.decipiens, Syringodium isoetifolium and Halodule pinifolia.* Except *H. Ovalis,* (big-leaf form) and *H. pinifolia* other species were growing together with macroalgae (i.e. *Sargassum sp.*) and scattered sparsely in areas at depths of 1.5-2.0m High Water Level (HWL). The mean shoot density of *T. hemprichii* was 632.14±113.77 shoots/m^2, with the mean above and below ground biomass of 13.87±1.17 g AFDW (ash free dry weight)/m^2 and 40.19±7.93 g AFDW/m^2, respectively. Plastochrone interval of *T. hemprichii* leaf (PIL) during the study period was 12.03±1.01 days. Leaves of *T. hemprichii* under the canopy (the shading) of macro-algae (*Sargassum*

sp.) were comparatively longer than those not under the shading. There were 8.0-19.0 horizontal rhizome nodes with leaf scales between two vertical shoots indicating that two plants of *T. hemprichii* separates at this distances during vegetative reproduction. The study concludes that compared to other seagrass resources in other marine environment elsewhere, T hemprichii contribution on this marine environment is considered to be significant in terms of production.

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