

## CONTENTS

### I DETERMINING INDICATORS FOR SUSTAINABLE MANAGEMENT OF TROPICAL FOREST

1. Comparison of tree species diversity, species composition and population structures between regenerating and primary forest plots in a hill dipterocarp forest.

*Abdul Rahman Kassim (FRIM)*

*K. Niiyama (FFPRI, Kyushu)*

*Azizi Ripin (FRIM)*

*H. Tanouchi (FFPRI, Hokkaido)*

*S. Appanah (FRIM)*

*S. Iida (FFPRI, Hokkaido)*

2. Gaseous exchange characteristics of tropical tree species.

*Lai Hoe Ang (FRIM)*

*Yoosuke Matsumoto (FFPRI)*

*Yutaka Maruyama (FFPRI)*

*Atsushi Ishida (FFPRI)*

*Akira Uemura (FFPRI)*

3. Intra and inter-specific differences in growth and mortality of tropical seedlings grown under different light environment.

*Mohamad Awang (UPM)*

*Akio Furukawa (Nara Women's Univ.)*

*Ahmad Makmom Abdulah (UPM)*

*Taketo Yokota (Nara Women's Univ.)*

*Toshihiro Yamada (NIES)*

4. Leaf phenology, leaf dynamics and growth characteristics of saplings of a canopy species, *Elaterospermum tapos* (Euphorbiaceae) in a tropical rain forest in Peninsular Malaysia.

*Muhamad Awang (UPM)*

*Noriyuki Osada (Kyoto Univ.)*

*Hiroshi Takeda (Kyoto Univ.)*

*Akio Furukawa (Nara Women's Univ.)*

5. Logging effect for genetic diversity of *Shorea curtisii* in hill Dipterocarps forest of Peninsular Malaysia.

*Norwati Muhammad (FRIM)*

*Yoshihiko Tsumura (FFPRI)*

*Chai-Ting Lee (FRIM)*

*Tokuko Ujino (FFPRI)*

*Soon-Leon Lee (FRIM)*

*Teruyoshi Nagamitsu (FFPRI)*

*Takayuki Kawahara (FFPRI)*

*Hiroshi Yoshimaru (FFPRI)*

6. A quantitative comparison of pteridophytes diversity in small scales among different climatic regions in eastern Asia.

*Saw Leng Guan (FRIM)*

*Toshiyuki Sato (Shinshu Univ.)*

*Akio Furukawa (Nara Women's Univ.)*

7. Physiological responses of *Dipterocarpus sublamellatus* as correlate of the natural regeneration.

*N. Manokaran (FRIM)*

*Naishen Liang (NIES)*

*Toshinori Okuda (NIES)*

*Yanhong Tang (NIES)*

## **II ANIMAL-PLANT INTERACTIONS IN DISTURBED AND UNDISTURBED FORESTS**

1. Effect of deforestation, disturbance, and fragmentation on mammalian community in a tropical rain forest.

*Louis C. Ratnam (FRIM)*

*Shingo Miura (FFPRI)*

2. Edge effects on the nest predation and avian community in Pasoh Nature Reserve.

*Zubaid Akbar Mukht Ahmad (UKM)*

*Hisashi Nagata (NIES)*

*Azarae Haji Idris (UM)*

3. Distribution of small mammals and their habitat preference in the Pasoh Forest Reserve.

*Nor Azman Hussein (FRIM)*

*Masatoshi Yasuda (FFPRI)*

*Nobuo Ishii (JWRC)*

4. Understorey butterflies and soil micro-arthropoda as an indicator group.

*Laurence G. Kirton (FRIM)*

*Kenji Fukuyama (FFPRI)*

*Ahmad S. Sajap (UPM)*

*Kaoru Maeto (FFPRI)*

5. Comparative ecology of fruiting phenology, seed and seedling characteristics of Southeast Asian dipterocarp species in relation to their physiological and biological factors.

*N. Manokaran (FRIM)*

*Shinya Numata (TMU)*

*Naoki Kachi (TMU)*

*Toshinori Okuda (NIES)*

6. Local variation of canopy structure in relation to soils and topography and the implications for species diversity in a rain forest of Peninsular Malaysia.

*N. Manokaran (FRIM)*

*Toshinori Okuda (NIES)*

*Nor Azman Hussein (FRIM)*

*Naoki Adachi (NIES)*

*Leng Guan Saw (FRIM)*

*Amir Husni Mohd Shariff (FRIM)*

7. Leaf developmental process and crown structure of a tropical pioneer tree, *Macaranga gigantea* in Peninsular Malaysia.

*Makmon Abdullah (UPM)*

*Toshihiro Yamada (NIES)*

*Muhamad Awang (UPM)*

*Toshinori Okuda (NIES)*

*Akio Furukawa (Nara Women's Univ.)*

8. Dynamics of canopy gaps in lowland Dipterocarp forest – Fate and origin of individual gaps

*Nor Azman Hussein (FRIM)*

*Naoki Adachi (NIES)*

*N. Manokaran (FRIM)*

*Toshinori Okuda (NIES)*

### **III CHANGES IN PHYSICAL PROCESSES OF DISTURBED FORESTS**

1. Physical and chemical properties of Bukit Tarek watershed soil.

*Wan Rashidah Wan Abdul Kadir (FRIM)*

*Kazuhito Morisada (FFPRI)*

*Zulkifli Yusof (FRIM)*

*Baharuddin Kasran (FRIM)*

2. Effects of tree falls on diversity of wood decay fungi

*S. S. Lee (FRIM)*

*T. Hattori (FFPRI)*

3. Ecology of termites subjected to forest disturbance

*Laurence G. Kirton (FRIM)*

*Kenji Takamura (NIES)*

4. Runoff characteristics of tropical rain forest

*Abdul Rahim Nik (FRIM)*

*Shoji Noguchi (FFPRI)*

*Zulkifli Yusop (FRIM)*

*Baharuddin Kasran (FRIM)*

*Yoshio Tsuboyama (FFPRI)*

*Makoto Tani (FFPRI)*

5. On characteristics of evapotranspiration from tropical rain forests

*Abdul Rahim Nik (FRIM)*

*Zulkifli Yusop (FRIM)*

*Baharuddin Kasran (FRIM)*

*Makoto Tani (FFPRI)*

*Yoshikazu Ohtani (FFPRI)*

*Tsutomu Watanabe (FFPRI)*

*Michiaki Okada (FFPRI)*

*Shoji Noguchi (FFPRI)*