

CONTENTS

FOREWORD	v
PREFACE	vii
The Clean Development Mechanism (CDM): constraints and opportunities for the Sabah forestry sector	1
Rahim Sulaiman, Jupiri Titin, Anuar Mohamad and Arthur Y. C. Chung	
Landscape-level evaluation of carbon and biodiversity in the tropical rain forests of Deramakot Forest Reserve, Sabah, Malaysia	13
Kanehiro Kitayama, Etsuko Nakazono, Tatsuyuki Seino, Hisashi Matsubayashi, Januarius Gobilik and Robert Ong	
Floristic composition, stand structure, and above-ground biomass of the tropical rain forests of Deramakot and Tangkulap Forest Reserve in Malaysia under different forest managements	29
Tatsuyuki Seino, Masaaki Takyu, Shin-ichiro Aiba, Kanehiro Kitayama and Robert C. Ong	
Logging effects on soil macrofauna in the rain forests of Deramakot Forest Reserve, Sabah, Malaysia	53
Motohiro Hasegawa, Masamichi T. Ito, Kanehiro Kitayama, Tatsuyuki Seino and Arthur Y. C. Chung	
Diversity of mammalian species at natural licks in rain forest of Deramakot and their conservation	61
Hisashi Matsubayashi, Peter Lagan, Noreen Majalap, Joseph Tangah, Jum Rafiah Abd. Sukor and Kanehiro Kitayama	
Assessment of the bioindicator values of flying insects at a higher taxonomic level for different logging schemes in the lowland tropical rain forests of Deramakot, Sabah, Malaysia	71
Kosuke Akutsu and Chey Vun Khen	
The impact of logging with two different minimum cutting limits on residual stand damages, beetle diversity, soil erosion, nutrient loss and water quality in the Deramakot Forest Reserve, Sabah	79
Januarius Gobilik, Robert Ong, Paul Leo Lohuji, Arthur Y. C. Chung, Jupiri Titin, Rozer Daimun, Noreen Majalap and Samin Salim	
The importance of permanent sample plots for long term observation on growth and yield, and carbon sequestration: a case study in a hill mixed dipterocarp forest of Kalimantan, Indonesia	80
Hari Priyadi, Markku Kanninen and Petrus Gunarso	
Slash-and-char system as alternative for wood waste utilization to improve land productivity: the local perspective to manage forests sustainably	81
Haris Iskandar, Kresno D. Santosa, Markku Kanninen and Petrus Gunarso	
Effects of diameter cutting limit on understorey vegetation, litter and root biomass	83
John Tay, Yeong Kok Loong, Tang Teong Kim and Koh Teik Chai	
Conclusion of the workshop and the scopes of the study of biodiversity and carbon in Deramakot RIL sites	84
Kanehiro Kitayama and Ying Fah Lee	