

Contents

Preface

Growth performance of indigenous tree species under uneven-aged forest management in Northeast Thailand Atsushi Sakai, Thiti Visaratana, Bundit Hongthong, Tosporn Vacharangkura	1
A modeling approach to sustainable forest management: “Virtual Forest” predicts forest growth and canopy structure Yukihiro Chiba, Atsushi Sakai	7
A preliminary result of coppicing trials in teak plantations in Kanchanaburi, Thailand Woraphun Himmaphan, Iwao Noda	13
Two-year results of a clonal test of teak (<i>Tectona grandis</i> L.f.) in the Northeast of Thailand Suwan Tangmitcharoen, Suchat Nimpila, Jeerasak Phuangjumpee, Prasit Piananurak	19
A preliminary result of soil improvement trial on teak in Khon Kaen, Thailand Wilawan Wichienopparat, Mayuree Wanpinit, Suchat Nimpila	23
Improvement of soil suitability mapping for teak plantations in Northeast Thailand Somsak Sukchan, Iwao Noda	27
Variable density yield model for teak plantations in the Northeast of Thailand Tosporn Vacharangkura	33
Current situation and solution on management of Nong Bua Lam Phu Private Forest Plantation Cooperative Limited Woraphun Himmaphan, Iwao Noda, Naoyuki Furuya	41
Current functions and expected roles of Private Forest Plantation Cooperatives in Thailand Naoyuki Furuya, Woraphun Himmaphan, Iwao Noda	46
Trends of forestry and wood processing industry in Thailand: Analysis using historical forestry statistics from 1997 to 2008 Naoyuki Furuya	53
The present circumstances of teak wood processing, marketing and future prospects in Northeast Thailand Takaaki Komaki, Iwao Noda, Naoyuki Furuya, Yasuhiro Yokota, Woraphun Himmaphan, Arunee Pusudsavang	64
Current situation of teak farm forestry after Economic Tree Plantation Promotion Project in Northeast Thailand Naoyuki Furuya, Arunee Pusudsavang, Iwao Noda, Woraphun Himmaphan, Yasuhiro Yokota	69
Financial analysis of private teak plantation investment in Thailand Arunee Pusudsavang, Suchat Kalyawongsa, Iwao Noda	75
Profitability of combined farm management with teak plantations in Northeast Thailand Iwao Noda, Woraphun Himmaphan, Naoyuki Furuya, Arunee Pusudsavang	82