

ISBN 978-979-25-3284-5

PROCEEDINGS

INTERNATIONAL WORKSHOP ON WHITE ROOT DISEASE OF HEVEA RUBBER

Salatiga, Indonesia, 28th - 29th November 2006



IRRD

INDONESIAN RUBBER RESEARCH INSTITUTE
INTERNATIONAL RUBBER RESEARCH AND DEVELOPMENT BOARD

2007

PROCEEDINGS

INTERNATIONAL WORKSHOP ON WHITE ROOT DISEASE OF *HEVEA* RUBBER

Salatiga, Indonesia, 28th - 29th November 2006

Editors:

S. Pawirosoemardjo
Budi Setyawan
Heru Suryaningtyas
Muhammad Supriadi



**INDONESIAN RUBBER RESEARCH INSTITUTE
INTERNATIONAL RUBBER RESEARCH AND DEVELOPMENT BOARD**

CONTENTS

PREFACE.....	v
CONTENTS.....	vi
WORKSHOP COMMITTEE.....	ix
OPENING ADDRESS	
Report Address - Director of IRRI	xii
Welcome Address - Secretary General of IRRDB	xiv
Welcome Address and Official Opening - Head of AARD	xvi
CONCLUSION AND CLOSING	
Conclusion and Official Closing - Director of IRRI	xix
PAPERS	
Government Policy on the Control of White Root Disease <i>Rigidoporus lignosus</i> of Rubber (Herdradjat Natawijaya)	3
Agricultural Plant Quarantine Policy on the Importation of Rubber Plant (Isworo Hadi)	14
Discussion	19
Current Status of White Root Disease in Malaysia (Adam Malik A. Z., Ismail Hashim, Murnita Mahyuddin, and Masahuling Benong)	22
Current Status of White Root Disease (<i>Rigidoporus microporus</i>) and the disease control management in Rubber Plantation of Indonesia (Aron Situmorang, Heru Suryaningtyas, and S. Pawirosoemardjo)	27
White Root Disease of Rubber and Management Practices in Sri Lanka (K.E. Jayasuriya)	34
White Root Disease in Thailand (A. Rodesuchit and U. Chantarapratin)	38
Incidence, Host Range, and Control of White Root Rot Disease of Rubber in The Philippines (Naomi G. Tangonan)	42
Discussion	57
White Root Disease of Rubber: Some of Its Biological Aspects (Haryono Semangun)	60
Mode of Dispersal and Variation in Population of White Root Fungus <i>Rigidoporus microporus</i> as Revealed by Mycelial Incompatibility (Suwandi)	68
Epidemiology of White Root Disease of Rubber Tree Incited by <i>Rigidoporus lignosus</i> (T.W. Darmono)	76
Discussion	80

Contents

Control of White Root Disease Using Antagonistic Plant on Rubber Plantation (Aron Situmorang, Heru Suryaningtyas and Tri Rapani Febyanti)	82
Fomes Control in African Estates (Eric Cavaloc, Frédéric Lefebvre, Edouard de Rostolan, and Grégory Lesturgez)	97
Biological Control of White Root Disease of Hevea Rubber Using <i>Trichoderma</i> -based Biofungicide Triko SPPLUS (Serafina Rahayu, S. Pawirosoemardjo, and Sujatno).....	110
Discussion	125
Research on White Root Disease of Hevea Rubber: Achievements and Future Direction (Ismail Hashim and Adam Malik A.Z.)	127
Discussion	137
WORKSHOP PROGRAMME AND PARTICIPANTS LIST	
Workshop Programme	142
Participants List	144