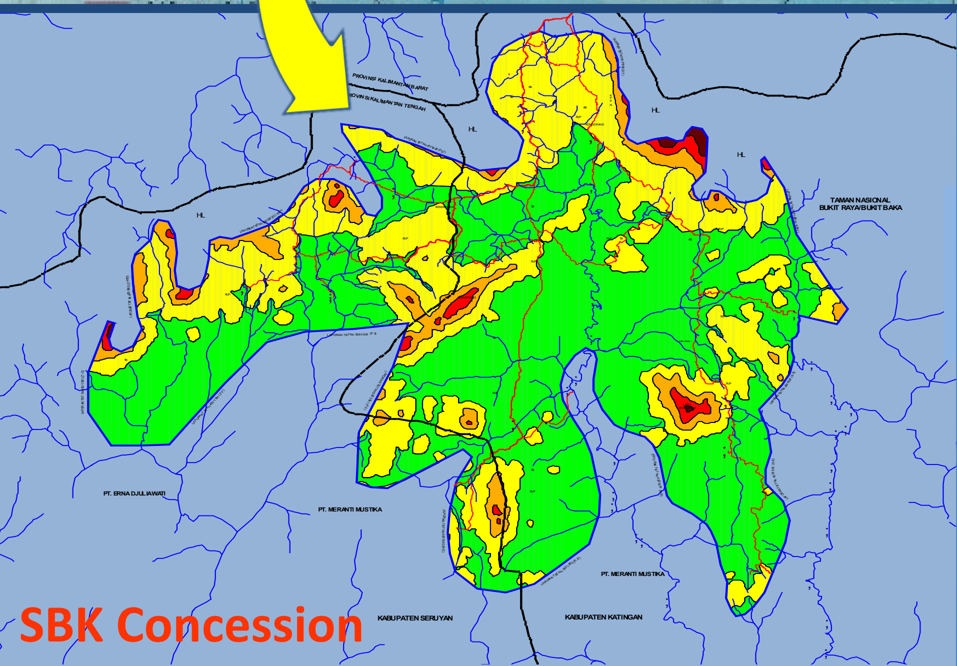
Sari Bumi Kusuma's Experiences To Implement TPTII

By IBW Putra,



Members of the Alas Kusuma Group which manages forest concessions in West and Central Kalimantan

Established in 1978, and extended concession license in 1998 for 70 years
Total Area Concession : 147,600 Ha

ASL (m)	Ha	%
0 - 200	78.212	53
200 – 1.044	69.388	47
	147.600,00	100,00

Natural Forest Issues:

1. Forest area continues to decline
2. Productivity, continues to decline
3. Total log production, continues to decline

Efforts to increase productivity :

1. **Development of an intensive silvicultural system (TPTJ)**

   a. **Increasing Genetic Diversity of Shorea leprosula for Breeding and Genetic Improvement (ITTO PD 106/01. Rev. F)**

   b. **Model of Development to Establish Commercial**

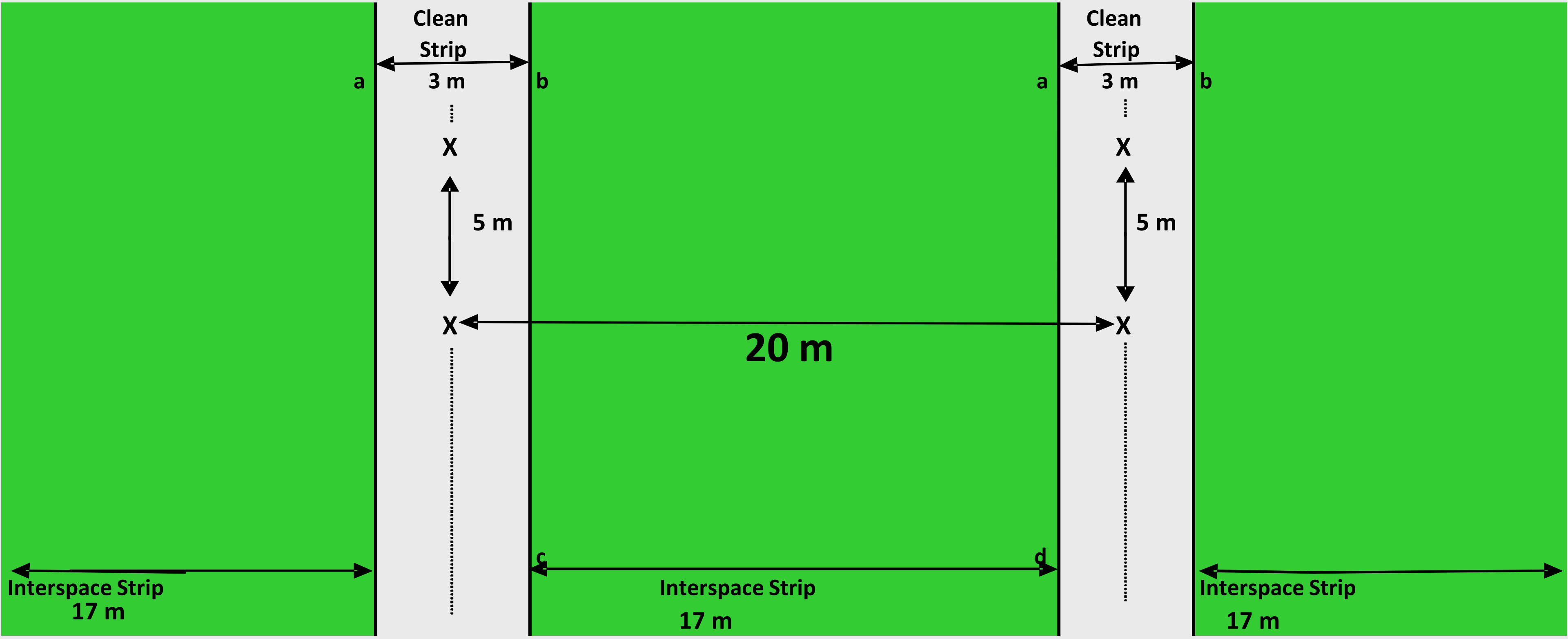
2. **Plantation of Dipterocarps (ITTO PD 41/00 Rev. 3 F, M)**

2. Study of Vegetation and Soil Quality of the TPTJ Silvicultural System (Case Study of PT SBK's HPH Area, Central Kalimantan, Prijanto Pamungkas, Post-Graduate School - IPB)

3. Study of Diversity of Natural Regeneration Types in Logged-over Areas of Selective Cutting and Planting (TPTJ) of PT SBK

4. Cooperation with Kyoto University about CREATION OF THE PARADIGM OF SUSTAINABLE USE OF TROPICAL RAINFOREST BY THE INTENSIVE FOREST MANAGEMENT AND ADVANCED UTILIZATION OF FOREST RESOURCES

Selective Harvesting and Strip Planting (TPTJ)



Note :

- X : Point of plant, the distance between plants in strip is 5 m

a - b : Clean Strip, 3m wide

c - d : Interspace Strip, 17 m wide

PLANTED TREES IN THE STRIP PLANTING (TPTJ)

Shorea johorensis
Average on DBH : 10 years, > 25 cm

Shorea leprosula
Average on DBH : 10 years > 25 cm

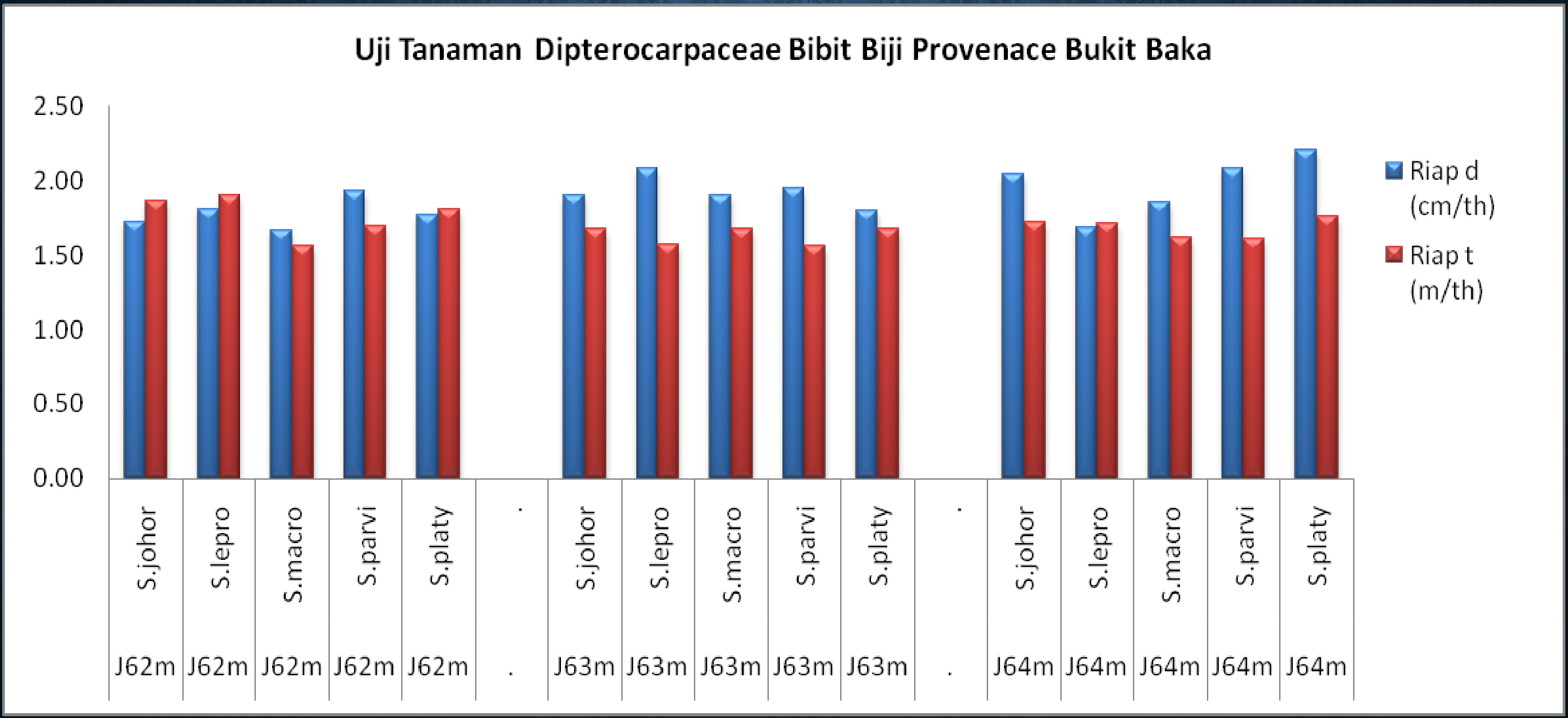
Shorea johorensis
Average on DBH : 18 years, 35 cm

Shorea leprosula
Average on DBH : 18 years = 38 cm

Shorea Macrophyla
Average on DBH : 18 years, 35 cm

Average Growth of Diterocarps 12 years

No	jarak	jenis	b1d	b2d	b3d	b4d	d Max (cm)	Riap d (cm/th)	b1t	b2t	b3t	b4t	t Max (m)	Riap t (m/th)
1	J62m	S.johor	20.53	20.82	17.71	15.60	20.82	1.72	19.14	22.50	18.86	17.17	22.50	1.86
2	J62m	S.lepro	15.66	21.82	15.10	17.10	21.82	1.81	18.20	23.00	16.63	18.14	23.00	1.90
3	J62m	S.macro	18.19	16.39	18.39	20.18	20.18	1.67	17.29	18.75	18.88	18.17	18.88	1.56
4	J62m	S.parvi	21.12	23.35	17.99	17.25	23.35	1.93	19.40	19.33	20.43	16.50	20.43	1.69
5	J62m	S.platy	17.80	21.40	18.03	16.37	21.40	1.77	19.00	21.80	18.33	16.29	21.80	1.80
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
6	J63m	S.johor	23.04	15.29	15.70	16.46	23.04	1.91	20.29	17.29	16.29	16.86	20.29	1.68
7	J63m	S.lepro	25.15	17.42	18.59	21.45	25.15	2.08	19.00	18.40	18.25	19.00	19.00	1.57
8	J63m	S.macro	22.97	21.04	22.55	17.30	22.97	1.90	20.29	18.63	19.38	20.00	20.29	1.68
9	J63m	S.parvi	13.34	14.80	20.14	23.53	23.53	1.95	15.40	17.29	17.86	18.86	18.86	1.56
10	J63m	S.platy	19.53	17.82	21.70	18.62	21.70	1.80	19.17	17.40	20.20	18.80	20.20	1.67
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	J64m	S.johor	16.50	19.23	18.20	24.71	24.71	2.05	18.67	20.25	15.57	20.86	20.86	1.73
12	J64m	S.lepro	14.81	19.28	15.66	20.40	20.40	1.69	16.43	18.00	17.86	20.71	20.71	1.71
13	J64m	S.macro	18.03	16.90	19.32	22.46	22.46	1.86	15.88	15.57	16.50	19.57	19.57	1.62
14	J64m	S.parvi	16.23	22.93	25.14	22.41	25.14	2.08	15.86	18.29	19.43	18.86	19.43	1.61
15	J64m	S.platy	20.53	26.62	19.06	25.19	26.62	2.20	21.29	20.00	18.60	19.43	21.29	1.76



Uji Tanaman Dipterocarpaceae Bibit Biji Provenace Bukit Baka
2.50
2.00
1.50
1.00
0.50
0.00
Riap d (cm/th)
Riap t (m/th)
S.johor
S.lepro
S.macro
S.parvi
S.platy
J62m
J63m
J64m


5th years after planted