

I: Ibu = Lisa A = Anak = Lilly, ♂ = Otto

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Date: 23-8-07										Obs: Ellen, Mudin										Cuaca: mendung			
Ibu: Lisa					anak: Lilly					Ibu: Lisa					anak: Lilly								
jam	kegia	item	jenis/patch	tinggi	kegia	item	jenis/patch	tinggi		jam	kegia	item	jenis/patch	tinggi	kegia	item	jenis/patch	tinggi					
5.46										5.46	Ftd	P(M)	Puwin	15+	Ftd	P(M)	Puwin	20+					
5.48										5.48	Ftd	P(M)	Puwin	15+	Ftd	P(M)	Puwin	20+					
5.50										5.50	Ftd	P(M)	Puwin	15+	Ftd	P(M)	Puwin	20+					
5.52										5.52	Ftd	P(M)	Puwin	15+	Ftd	P(M)	Puwin	20+					
5.54										5.54													
5.56	Rst+ke			10+						5.56													
5.58	Rs									5.58													
6.00										6.00													
6.02										6.02													
6.04										6.04													
6.06										6.06													
6.08										6.08													
6.10	keluar				Rs			10+		6.10													
6.12	R hang + berak			5+	keluar					6.12													
6.14	R hang				ADP	twirl/hang		5+		6.14													
6.16	Mc			10+	Mc	↑		10+		6.16													
6.18	Ftd P(M) Puwin			15+	Ftd P(M) Puwin			15+		6.18													
6.20										6.20													
6.22										6.22													
6.24	MT				MT?					6.24													
6.26	Ftd P(M) Puwin				C hang + berak					6.26													
6.28					Ftd P(M) Puwin					6.28													
6.30										6.30													
6.32										6.32													
6.34										6.34													
6.36										6.36													
6.38										6.38													
6.40										6.40													
6.42										6.42													
6.44										6.44													
6.46										6.46													
6.48										6.48													
6.50										6.50													
6.52										6.52													
6.54										6.54													
6.56										6.56													
6.58										6.58													
7.00										7.00													
7.02	Mb			10+	Mb			10+		7.02													
7.04										7.04													
7.06	Cop			5+	R	sit + peer?		5+		7.06													
7.08										7.08													
7.10										7.10													
7.12	Mb				F					7.12													
7.14	Ftd P(M) Puwin			10+	Agg + Voc	usg + miss				7.14													
7.16					F	ins	ryp			7.16													
7.18					MT					7.18													
7.20										7.20													
7.22					Mc	↑		10+		7.22													
7.24					F	P	separang	15+		7.24													
7.26					Mb(k)					7.26													
7.28	R hang									7.28													

sosial

jam siapa buat apa sama siapa				pagi: anak di sarang ? Ibu/sendiri			
jam	jarak	ibu-anak	cuaca	pohon sama/lain			
6:00	0	gloper	sama				
6:30	72	mendung	lain				
7:00	2-10	mendung	lain				
7:30	2-10		lain				
8:00	2-10		sama				
8:30	2-10						
9:00	0	berawan					

6:510 sampai sarang

6:47 longcall; no response forals

6:56 kencing; don't know who (nest to left/south) → ot

6:09 berak dalam N kaman (north); 6:10 ke (ibu?) 6:11 berak Ibu?

6:11 + kencing anak? 6:12 Ibu still berak; 6:13 again ke Ibu or Anak; 6:14 berak?

berak samples taken - GPS → Nest; 6:20 sounds from south, 6:22

6:52 Axx belly 6:53 Ixx belly; 6:54 Axxg + missile; 6:58 Axx a lot

kepala belly etc; missilenth obs again

7:01 I M out of tree first ot + A, then follow

7:06 again Cop forced, Ibu seems to try to get away but ot holds her after 1 min Ibu is loose

Llm but ot puts her back in position, Cop again all this time high pitched sound with a bit bulged

lips Ibu 7:026 ot lets go, I straight away moves away; still mt bertica; 7:13 I ke

7:14 usg + missile A no idea who; 7:16 A bites back of dead tree → Fyp? 7:27 I moves out

of tree, branch breaks, she didn't fall down, branch got stuck, ot watches

7:33 gys fr from N (all the time sitting) 7:40 longcall not far away, 7:40 no response forals (either 3)

Date: 23-0-07										Obs: Ellen Mudin										Cuaca: Berawan									
ibu: Lisa					anak: Lilly					ibu: Lisa					anak: Lilly														
jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi		jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi		jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi	
9.14	Rs				15+	Rs				10.58	Ftd	P(M)	Puwin	10+	Ftd	P(M)	Puwin	10+											
9.16					F	ins	ryp			11.00																			
9.18										11.02																			
9.20										11.04	mt																		
9.22										11.06	mc	↓		5+	mc	↑													
9.24										11.08	mt																		
9.26										11.10	F	ins	Smt	0+	R	band	peer												
9.28										11.12																			
9.30										11.14																			
9.32										11.16																			
9.34										11.18																			
9.36					Rs					11.20																			
9.38										11.22	mc	↑																	
9.40										11.24	mt																		
9.42										11.26																			
9.44										11.28	mb			0+	F	?													
9.46										11.30	F	yl	?		F	yl	ins	resah?											
9.48										11.32			LAPK																
9.50										11.34	mt																		
9.52										11.36	R	hang																	
9.54					R	stand	peer ↓ in N			11.38	Ftd	yl	akar		mt														
9.56					N					11.40	R	hang			mb														
9.58										11.42	F	lv			mc	↑													
10.00										11.44	F				F		resah page												
10.02					Rs					11.46																			
10.04										11.48																			
10.06					Voc + Ago	ksp + displ				11.50																			
10.08					Rs					11.52	Cap			5+															
10.10										11.54					mb														
10.12										11.56					F	ins	smt												
10.14										11.58					mc														
10.16					F?	ins	ryp			12.00	mc	Fins	Smt																
10.18					APM (mc)					12.02	F?	P(M)	Puwin	10+	Ftd?	P(M)	Puwin	10+											
10.20					F?	ins	ryp			12.04	Ftd	P(M)	Puwin		Ftd	P(M)	Puwin												
10.22										12.06																			
10.24										12.08																			
10.26					N (low)					12.10				15+															
10.28					APC	displays	APC			12.12																			
10.30					R	st?		10+		12.14																			
10.32					F	ins	ryp (rkc)			12.16				20+															
10.34										12.18																			
10.36					APM	mc		15+		12.20																			
10.38					F	ins	ryp	10+		12.22																			
10.40								15+		12.24																			
10.42					R?	dan at first she went				12.26																			
10.44	mc	keluar N			APM	mc				12.28																			
10.46	R	sit			R?					12.30																			
10.48	Ftd	P(M)	Puwin?	R 10+	F/R	P(M)	Puwin	10+		12.32																			
10.50	mb	5m	270°		mb	5m	270°			12.34																			
10.52	R	hang		5+	APC	lv	not really eating	5+		12.36																			
10.54	Ftd	P(M)	resah page		Ftd	P(M)	resah page			12.38																			
10.56	mt	enter	North 3m		mt	enter				12.40																			

SOSIAL

jam	siapa	buat apa	sama siapa	jam	jarak anak-ibu	cuaca	pohon sama/lain
9:55	A N - 936	916-934	At first clearly F ryp, later occasionally heard bark biting + saw branches moving, could be APC as well, but I guess Fyp.	9:30	<2	berawan	sama
9:55	A buat N baru lagi	9:55 rusak throws down, the start again.		10:00	<2		
		20m to right starts again as tries to pull (950) more branches in but 2 can't brake/bend - so finds others		10:30	>>		
10:15	A keluar U baru lagi	10:15 rusak dia buat U tadi, msk either Fyp or buat N lagi; can't see it, but still see branches moving so I guess Fyp		11:00	<2		
10:19	sound A is Fyp again	10:20 A masuk sawang ^{not biting} 100 again; removes + places bark again mks dam/ranting; moves around in N, throws mks branch out places another one back in again after taking it out		11:30	>>		lain
		10:27 keluar U then + turun 22m E; playing ranting, over N geyang juga		12:00	>>		
		10:28 stops geyang - as geyang could be to wake up ibu but I am not sure if remote but next time is able N A too.		12:30	>>		
10:31	looking for F ryp again	braking off pieces of bark; Kc; 10:30 I hear a sneeze, don't know from whom					
10:34	why occasionally F is also lots of AP; moving around, geyang branches						
10:39	hears tree Movement (only 1x) from 280° <20m						
10:44	ibu keluar sawang; A follows, 10:45 Kc Ibu (probably) - 10:46 + berlari; Ibu looks in direction sounds (280°)						

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ibu: Lisa					anak: Lilly				ibu: Lisa					anak: Lilly				
jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi	jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi	
12.42	Ftol	P(M)	Puwir	20+	Ftol	P(M)	Puwir	20+	14.26	Ftol	P/si	Cemenang	15+			Cemenang	15+	
12.44									14.28									
12.46									14.30									
12.48									14.32	mb			10+	F	fr	Cemenang	15+	
12.50									14.34	mt+R			5+					
12.52		bridge	wait	15+					14.36	mt			10+	mc			15+	
12.54	mt			10+	mb			10+	14.38									
12.56	mt	bridge			mb				14.40		checking	Cemenang			checking	Cemenang		
12.58	F	lv	LAPK	5+	E				14.42						onggrand			
13.00					FE	ins	smt		14.44	F	ins	smt	10+	F	ins	smt	15+	
13.02									14.46									
13.04	mt								14.48									
13.06	F	ins	ryp		mb				14.50					mb				
13.08	R	sit			F	ins	smt		14.52					F	P(M)	Puwir		
13.10	R	hang	sten						14.54	F	ins	smt	same tree					
13.12	F	ins	smt tree		mb				14.56									
13.14									14.58	F	ins		4m					
13.16		lv	LAPK		mt	via liana	5+		15.00	Ftol	ins		same tree					
13.18	F	ins	smt						15.02					mb			10+	
13.20					R	sit	peer I		15.04	mb			10+	mb			10+	
13.22					N				15.06	mt	20m	350°		mb				
13.24									15.08	mt				mt?				
13.26	mt+Vac				2mb				15.10	mb	20m	20°	10+	mb				
13.28	Vac/R				R	hang			15.12	ms								
13.30									15.14	F	P(M)	Puwir	15+	F	P(M)	Puwir		
13.32	R	sit			R	sit			15.16	mt			10+					
13.34									15.18	mt			5+	mb			5+	
13.36					mc				15.20	F	lv	akas		R	hang	peer		
13.38							don't see	10+	15.22	R	hang				Stand	4 legs		
13.40	F	yl	resak payu				R go hear anything	5+	15.24					mb				
13.42									15.26									
13.44	mt			5+	mb				15.28					mt?			10+	
13.46	R	Stand	peer		R	stand	peer I	10+	15.30	mt			5+	F	P(M)	mtk	15+	
13.48						R sit			15.32	R	st+berah							
13.50									15.34	mc								
13.52									15.36	F	R sit			mb			10+	
13.54	F	ins	smt						15.38	F	lv	acm	10+	mb			5+	
13.56	2F	P(M)	Cemenang	10+		FFr	Cemenang		15.40	F	lv	resak payu	10+	R	hang			
13.58	2F	P(M)							15.42	mt			10+	mt				
14.00				10+	R	hang			15.44	F	lv	akas	5+	R	sit	F to an well	5+	
14.02									15.46					R	hang	peer I		
14.04					mc				15.48	mt	thasa			mt				
14.06					R	sit	peer		15.50	R	stand sit			R	stand			
14.08									15.52	mc			10+	R	hang			
14.10	R	hang	peer	15+					15.54	R	sit		5+					
14.12									15.56	R	hang							
14.14					F	P(M)	Cemenang		15.58	F	ins	smt tree	10+					
14.16	Ftol	P/si	Cemenang						16.00	R	sit			R	sit			
14.18							section soc		16.02	R	hang	smt tree		F	ins	smt tree		
14.20									16.04					R	hang			
14.22									16.06									
14.24									16.08	F	P(M)	mtk	15+	F	P(M)	mtk	15+	

SOSIAL

jam	siapa	buat apa	sama siapa	jam	siapa	buat apa	sama siapa
1313	A	has some trouble with swinging a liana to M	Portwood as the liana is quite light Nevertheless after 5 swings she crosses over	13:00	>2	berawan	lan
1317	I	messed around in dry tree and got another ants nest		13:30	>2		sama
1318	I	approaches T + peers while E is eating from " "		14:00	>2		sama
1319	I	than he comes down messes also around in dry tree + also gets ants N	tinggi 7; N's resak payu	14:30	>2		sama
1321	A	is making N again; again folding branches than this then that		15:00	>2		lain
1324	A	gigi + rutting + puts it at the side of the N		15:30	>2		lain?
1325	S	hsg I + partly mt away + mt	or follows + 1	16:00	<2		sama
1326	bc	lbh again " hsg lbh; I hear gorgling 100° (other mawit)					
1328	all	keep quiet after hsg lbh; 1329 I hsg 1x					
1330	I	keep I again 1x; A keeps in dead position not moving at all while hanging between 2 trees also	is looking in direction 100°				
1333	all	stave in direction 100°; St and seem to be hiding while the gorgling goes on					
1335	I	sits now higher up more in the open					
1336	gibbons	are vocalizing from same direction; still gorgling can be heard. f					
1338	I	stops looking in direction 100°; bit later (seconds) gorgling stops as well; gibbons are still Vac					
1339	I	mt					

Date: 23-8-07										Obs: Ellen, Mudin					Cuaca: mendung						
ibu: Lisa					anak: Lilly					ibu: Lisa					anak: Lilly						
jam	kegia	tan	item	jenis/ patch	tinggi	kegia	tan	item	jenis/ patch	tinggi	jam	kegia	tan	item	jenis/ patch	tinggi	kegia	tan	item	jenis/ patch	tinggi
16.10	F	Pr(M)	MLK	10+	10+	F	Pr(M)	MLK	10+	10+	17.54	R	hang		St	F	Pr	tampu	St		
16.12	R	hang		St	St	R	hang		St	St	17.56					mt					
16.14											17.58	F	yl	resah		C	pran	bn			
16.16											18.00					Ds	yl				
16.18	R	sit				R	sit				18.02					F	yl		resah?		
16.20											18.04										
16.22	Mc	L		St	St	Mc	L		St	St	18.06	R	hang	lock party		R	hang	lock party			
16.24	F	Pr(M)	MLK			F	Pr(M)	MLK			18.08										
16.26	F	yl	LAPK	0+	0+	R	hang				18.10										
16.28	F	yl	Resah								18.12										
16.30						F	yl	resah payo			18.14	mb				mb					
16.32						Mc	L				18.16	F	yl			mb					
16.34						F	Pr(M)	Puin	10+	10+	18.18	R	sit								
16.36											18.20										
16.38	mt										18.22	N				F	Pr(M)	MLK	10+		
16.40	F	Pr(M)	MLK	St	St	APM?	MLK				18.24										
16.42						F	Pr(M)	Puin			18.26										
16.44	mb					MLK					18.28										
16.46	mb/R			10+	10+	? mb/R					18.30										
16.48	mt					mt					18.32					mb?					
16.50											18.34	Rs	duk			mb					
16.52	F	yl	akan	St	St	R	hang				18.36	Rs	galek			APM					
16.54											18.38										
16.56	mt			0+	0+	mt					18.40					R	hang				
16.58						Mc	L				18.42										
17.00	R	hang				APM?	MLK	10+	10+	10+	18.44										
17.02	F	yl	resah			F	Pr(M)	Puin			18.46										
17.04											18.48										
17.06											18.50										
17.08											18.52										
17.10											18.54										
17.12						R	hang			St	18.56										
17.14						F	yl	resah			18.58										
17.16						R	hang				19.00										
17.18						mb					19.02										
17.20						F	yl	resah	0+	0+	19.04										
17.22	mt					mb					19.06										
17.24	F	yl	resah			F	yl	resah	0+	0+	19.08										
17.26											19.10										
17.28											19.12										
17.30											19.14										
17.32											19.16										
17.34											19.18										
17.36											19.20										
17.38	mt			St	St	mt				St	19.22										
17.40	F	ias	rup			mb	L				19.24										
17.42	mt	puin	10+			Mc	L				19.26										
17.44	R	hang				R	sit				19.28										
17.46	R	sit		0+	0+					0+	19.30										
17.48				St	St					St	19.32										
17.50	mt	hang				mt					19.34										
17.52	R	hang				F	yl	tampu			19.36										

sosial							
jam	siapa	buat apa	sama siapa	jam	jarak	cuaca	pohon sama/lain
16.24	A	Fyl resah payo		16.30	>2	berawan	lain
16.38	I	berak?		17.00	>2		lain
16.40	I	F ryp		17.30	>2		sama
16.43	I	mt waits for o	bersama m	18.00	0	mendung	sama
16.48	o	pulls lina (lks) put akus and head in mouth		18.30	>2		sama
17.12		pulls it up again bites bit off (3 lks)		19.00	>2		sama
17.15		branch breaks, almost falls down but is fast enough to get		19.30			
17.15	A	was looking at I + o					
17.24-36		didn't see it but very likely					
17.45		bersama F as ryp					
17.45		pulang pengamat					
		o jumpa rintis tag 800 after walking west from the west.					

Date: 23-8-07

Observer: Ellen, Mudin

Ibu (Anah + ♂)		Lisa (Lilly, Otto)		sosial
jam	siapa	buat apa	sama siapa	
752	all the time while F puwin gibbons can be heard from 110°			then puts it down. Gets again other branch. puts faster down
753	as a plain flies over A looks for a moment but straight away keeps on F			1001 selesai; 1002 diduk lag; (before golek 100°)
800	♂ Kc; 806 no begging A, maybe Ps but I think she is still loose from T though			tidur with hand for face/eyes while sitting
806	A scr. really a lot + 808			1002/3 golek lag. 1004 1004 perut ke bawah 40° kepala - kaki
808	A peering I maham, no begging			1006 2x ksq Anah + geyang branch (display) dalam N while looking at us (though we were quiet and in same position for + an hour already)
810	A scr. kemalaman. 811 A Kc			golek selang 330°
812	all unripe Puwin f. thrown down; in beak we see biji puwin but also on ground (baru spit out)			1007 keluar M, masuk N ibu
823	Someone sneezes; I guess it is the			1051 A licks wrist
877	I + A contact O; A is at side Dc? both scr.			1057 F bulit kuyut according to Mudin (all 13)
730	A again biting bark of tree			1103 Ibu Kc; scratches kemalaman
800	seems A was begging successfully then I Kc			1104 Mt (trying Ibu), A can climbs up fast Mt was not watching A + I climb down.
859	A m + o m o n I moved bt down + turns back towards A; refusing to give susu? A peers + Ps?			1107 AKC
901	I moves A follows			1108 ♂ climbs on some dead tree as I + A I tries to turn - really hesitantly Ibu eventually seems to have gotten what she wants as she is F smt from ant's nest; Anah is peering!
909	I can't see I + A from position where I was standing and moved. now I see where I know they approx. are is a nest (big one) I don't see I or A. The ♂ build all in away in same tree to the side at got I heard some sound as before during Cop. don't know whether they were cop; Not of ♂ to side + underneath the other N (I + A?)			1111 A climbs sort of on back / behind back Ibu; not really peering anymore, I guess and at 1112 she turns her face other direction
913	From near us I hear high squealing sounds			1118 Anah climbs down underneath Ibu to peer again.
915	really weird / funny: I is from the nest wagging a branch I see her arm sort of bumping up and down with it.			1116 A gets smt from other tree from trunk still hear sounds from close by; A is looking in that direction
916	A keluar + Fryp. ♂ was already Fryp from inside the N.			1116 A gets dead vs (to F smt?)
919	A wagging branch.			1120 I F smt from ant's nest langsung w/ mouth but also holding hand underneath + licking then off hand gila
922	again I Flu mlk (+ 916 jump)			1122 I looks direction ♂ M away from wait's for a moment before M on
925	I like Mudin (sudah naik pohon)			all this time at ± Doso
923	A keluar sarang			1128 I seems to M with difficulty quite dense here and she pushes away branches before be able to pass (as she M low on ground, ♂ doesn't follow her there)
1000	according to Mudin she F lu mlk menaruh saya lebih menaruh, she pulls it along side her mouth turns it 3 times			1132 again hear sounds from 750° → maybe
♂ Tidur 250°; di sampling (side)				1138 the ♂ is eating desperately + FS
				1140 long call - again no response forals
				1144 bangkai down, don't see forals clearly enough to be sure about what they are doing

Date: 23-8-07

Observer: Ellen, Mudin

Lisa (Lilly, Otto)		sosial	
jam	siapa	buat apa	sama siapa
1519	I F big / v s at an on + A watch from wli 2m.		1758 while other mawas approaches call 3 Fyl
1520	A see belly; mawas closer to F closely peers but only for few secs as I goes b.t down and looks 280° where sounds come from at pitches that		1759 other on + 10m away 1x hsq
1524	I now hear sounds from 150° and ♂ + F look that way, longtailed macaque as well		1800 I caught
1534	macaque close by F Mku orangutans look at it		1801 gets to branch Mr eats
1537	A mawas really fast to I (afraid of macaques)		1805 ♂ mawas sounds because F other mawas looks at our female + Mudin (1st
1538	I F to at an ←←←←←		1807 all stopped F
	They M 70° 10m		1809 A brakes off branch. Fryp
1540	they are all (♂ + I) looking in direction 280°, was also a hsq from F no idea what for. Mudin bilang ada suara pohon bergesah.		1809 other mawas approaches 30m 45°
1551	really like site they all 3 sit in a row on a branch. when ♂ was moving branch sounded like grating + I turns abt. A is watching it		our ♂ stops F watch mawas to watch 45°
1552	A berak - jatuh di air		1811 NEW M bit + now M on 1st
	♂ g25		1813 A mawas, I M almost smut. ♂ follows
1558	caught I		1821 I begin N
1612	according to mudin A aside bark. I now several times own head.		she folds all branches from side in
1613	DS. imm lets go but stays close and may have been DS several x - 1617		1823 raspy putting her low at mouth small → HHH HHH → bentak Ceach
1617	60° sounds pohon moving again A slaps on own head several x		1826 golek
♂ all this time stays low quiet and only M at 1720.			1827 ♂ mawas N I
1656	A M multiple x 7 not bica than just lets herself fall into other tree		see cop sounds I heard again see ♂ still sitting
1740	A scr but		crying sounds us again as well as high snatchesounds
1751	A F pr tampe		I still laying on the ♂
1754	other mawas approaches. 30m 40°		1829 def cop. before bergesah grasp ♂
			carefully Gop you see his body & " going forward. I screams. wat. bite hands & acc. to mudin.
			1831 sort of quiet: gaah. sound iba + scream (high) party member < 10m like herab + like crew → gaah scream
			1832 ♂ again qit's tangan and while cop is looking at party mem. I still no dress sounds both " " come.
			1833 I gets up via back ♂ 3 party members come
			1834 ♂ swings N Mee Huhuan Dm 72 I golek lagi. 2nd A 42
			1835 ♂ begins N
			1837 A md 2. m; 72
			37 party back N juga < 10m
			39 A still hangs above N looking NEW party

date: 23-8-07

obs: Ellen, Mudin

focal: Ibu (+ Anak + ♂) Lisa (Lilly, Otto)

Approach/Leave - Mendekati/Menjauhi 10 - 50 m

Party for focal (< 50 m)			pair - pasang	jam	mendekati	jam	menjauhi	< 2 m?
Jam-start	Jam-end	Individuals						
N pag:		I + ♂: Lisa + Otto	I + ♂	641	I + A	647	I	2
N pag:		I + A: Lilly + Lisa		649	I	649	♂	2
N pag:		A + ♂: Lilly + Otto		652	♂	654	I	2
				654	♂	659	I	2
				700	♂	701	I	2
				704	♂	710/11	♂	2
				712	I	714	♂	2
				714	I	714	I + ♂	2
				724	♂	727	I	2
				729	♂	735	I	2
				737	♂	747	♂	2
				742	I	743	♂	0
				748	I	751	♂	2
				845	♂	847	I	2
				849	♂	850	I	2
				851	♂	855	♂	2
				905	♂	910/11	I	2
				1053	♂	1056	I	2
				1057	♂	1058	?	2
				1106	♂	1106	♂	2
				1108	♂	1108/9	♂	2
				1137	♂	1127	♂	10
				1202	♂	1159	♂	2
				1208/9	♂	1203	?	2
				1214	♂	1212	♂	2
				1318	♂	1222	♂	2
				1346	♂	1334/35	♂	2
			A + ♂	650	♂	652	♂	2
				845	♂	847	A	2
				849	♂	850	A	2
				851	♂	855	♂	2
				1106	♂	1108/9	♂	2
				1321	♂			2
				1412	A	1414	A	
				1421	A	1431	♂	2

Long Calls dikeluarkan oleh Fokal

Jam	Lamanya menit; detik	Jumlah pulsa	Ke arah	Sebab?	Catatan
1140	1:00	13	30°	no response	

Long Calls Didengar oleh Pengamat

Jam	Lamanya menit; detik	Jumlah pulsa	Dari arah	Jarak	Reaksi / Catatan
547	1:26	32	50°	± 200m	high pitched, but beautiful longcall, no response forals whatsoever, everything remains quiet in the nests, though it seems the longcall came from not far away
746?	1:17	36	80°	1300m	no response of either of the 3 focals, they all keep on E Pwin for not even 10 sec (at least not straight away or extensively) in the direction of the longcall
832-33	2:38	32	430	150m	No response Ibu; but I could only see her after 30 sec after longcall, at not visible for me at least
1034	0:02	3	90°	1100m	at least 1100m

obs: Ellen, Mudin

[illegible]

Lisa (Lilly, Otto, New♂)

Focal: 23-8-07				Tgl: 23-8-07				Obs: Ellen, Mudin			
jam	party			jam	party			jam	party		
	<2	2-10	10-50		<2	2-10	10-50		<2	2-10	10-50
5.45				10.30	♂	A		15.15	A ♂		
5.50				10.35				15.20			
5.55				10.40				15.25		A	
6.00	A	♂ + A		10.45		♂		15.30			
6.05				10.50	A			15.35			
6.10				10.55	A + ♂			15.40		♂	
6.15	1-2A			11.00	A	♂		15.45	A ♂		
6.20				11.05		A		15.50			
6.25				11.10				15.55	A?	A?	
6.30		♂ + A		11.15	• ♂?	♂?		16.00	A?	A?	
6.35				11.20	• ♂?	♂?		16.05		A	
6.40	A	♂		11.25		♂		16.10			
6.45	A	♂		10.30				16.15	A -	♂	
6.50		A + ♂		10.35				16.20	A -		
6.55	♂	A		10.40	♂			16.25	♂	A	
7.00		A + ♂		10.45	A -			16.30			
7.05	♂ + A			10.50				16.35			
7.10	L			10.55		A		16.40			
7.15		♂ + A		12.00		♂		16.45	A -	♂	
7.20		A + ♂		12.05		A		16.50			
7.25	♂	A		12.10	♂			16.55			
7.30	♂	A		12.15				17.00		♂ A	
7.35		♂ + A		12.20				17.05			
7.40	♂	A		12.25		A + ♂		17.10	♂		
7.45		♂ + A		12.30				17.15			
7.50	♂	A		12.35				17.20	+ A		
7.55		A + ♂		12.40				17.25			
8.00				12.45				17.30			
8.05	A	♂		12.50	A -			17.35			
8.10	A	♂		12.55	A -			17.40			
8.15		A + ♂		13.00	A + ♂	A		17.45			
8.20				13.05			A ♂ + 10m	17.50			New ♂?
8.25	A	♂		13.10		A		17.55	A - ♂	A ♂	New ♂
8.30	L			13.15	A			18.00	A - ♂		
8.35		A +		13.20	♂			18.05	A	A + New ♂	
8.40				13.25				18.10	A		
8.45	♂ + A			13.30		A		18.15		A	New ♂
8.50	A	♂		13.35	A -	♂		18.20		♂	
8.55	A			13.40		A		18.25			
9.00	A	♂		13.45				18.30	♂		
9.05	A + ♂			13.50	♂			18.35	A -	New ♂	
9.10	A + ♂			13.55		♂		18.40			
9.15				14.00				18.45			
9.20				14.05	A -			18.50			
9.25				14.10	♂	A		18.55			
9.30				14.15				19.00			
9.35				14.20				19.05			
9.40				14.25	A -			19.10			
9.45				14.30				19.15			
9.50				14.35		A		19.20			
9.55				14.40	♂?	♂?		19.25			
10.00				14.45	♂			19.30			
10.05				14.50				19.35			
10.10				14.55		♂		19.40			
10.15				15.00	A -			19.45			
10.20				15.05	A -	♂		19.50			
10.25				15.10				19.55			

Date: 23-8-07

Observers: Ellen Mudin

Nest Reference Number:

I = Ibu = Lisa; A = Anak = Lilly ♂ = Otto NEW ♂ = ?

PERILAKU BERSARANG					
Focal Name: Ibu (+ Anak + ♂)					
	Siang A	Siang I	Siang A	Siang A	Pagi Besok I/A
Baru, Dipakai lagi, Diberbaiki?	baru	B?	baru	baru	
Cuaca	mendung	berawan	berawan	berawan	
GPS Reference	N anak jm 130	N siang jm 1000	N siang jm 1000	N siang jm 1000	N pagi Em → ♂ + I + A
Party size at nest	3	3	3	2	
Jam Buat	7:32	7:06	9:35	9:56	
Jam Selasa	7:33	7:07	9:36	10:01	
Jenis Pohon sarang	puwin	MLK	MLK	MLK	
Ketinggian pohon sarang	20	15	15	15	
Ketinggian sarang diukur dari dasar sarang	19	13	13	12	
Posisi sarang	3 (top)	1 (near batang)	3 (top)	2	
Membawa daun ke dalam sarang?	-	tdk bawa	-	ya tdk bawa	
Jam mengambil daun	-	7:16 + 9:22	-	9:58	
Jenis daun yang dibawa	-	MLK	-	MLK	
Jarak asal daun ke sarang	-	jm.	-	em	
Nest Features (ada / tidak / tidak tau)					
Bantal	-	? She built	-	I guess not	
Selimut	-	? I really	-	-	
Atap	-	? I guess	-	-	
Alas	-	? semua	-	ya	
Vocalisation?	-	3	- +	3 111 x raspb	
Menggigit ranting?	-	?	-	-	
Arah tidur (kepala ke kaki)	-	?	-	40° + 40° + 330°	
Jam Golek	-	7:40	9:36	8 x gade	
Pohon Pakan Terakhir	Puwin				
Jarak ke pohon terakhir di makan	sama	5-10m	sama	sama	
Arah ke pohon terakhir di makan	0	200°	0	0	
Crop load pohon terakhir di makan		Puwin	0	0	
Crop load pohon sarang		MLK but don't know	ryp	ryp	
Perilaku Sosial		negotang			
Main-main dalam sarang?		ya	-	-	
Sarang khusus utk main main?		tdk I think	-	-	
Jarak sarang2 saat ada party		1m, 2m	1m, 2m	1m, 2m	
Besok 23-8-07 pagi N (Simp D/Z)		Puwin		Rayap	
Jam berangkat dari sarang	7:34	10:44	10:55	10:45	6:10 6:12
Jarak ke pohon pertama di makan (pagi)	sama				5m (incl mark, pen)
Arah ke pohon pertama di makan	0				90°
Crop load pohon pertama di makan	Puwin				Puwin.
Pembelajaran sosial Ibu-anak					
Ibu-anak satu/lain sarang?	-	1	lain.	lain	1
Jarak sarang ibu dari anaknya	-	-	2m	1m	-
Jam	Jarak anak dari Ibu	Aktivitas Anak	Keterangan		
			9:09 - Copulation Sounds from nest		
			10:07 Anak enters nest ibu		
			9:55 - Anak builds nest - throws down branches & starts again.		
			Pulls more branches in but can't break them looks for others. 10:15 leaves ibu nest		
			10:19 tries to break branches again for another nest.		
			10:24 A enters nest again, removes branches		
			+ puts back again milk down/ranting, moves around in nest, throws milk branch out & places another back in after taking it out. 10:27 leaves nest		

Date:

Observers:

Nest Reference Number:

23-8-07

Ellen, Mudin

I=Ibu=Lisa A=Anak=Lilly ♂=Otto NEW♂=?

PERILAKU BERSARANG		Focal Name: Ibu (+ Anak + ♂)			
	Siang A	Siang	Siang Sore	Sore I	Pagi Besok
Baru, Dipakai lagi, Diberbaiki?	?	baru	baru	baru	
Cuaca	berawan	berawan	berawan	berawan	
GPS Reference	Jm 1230 Fpw	Nsore-Cop-Party	Nsore-Cop-Party	Nsore-Cop-Party	
Party size at nest	3	4/5	5/5	4/6	
Jam Buat	1210-1224	1835	1837	1821	
Jam Selasai	11		±1853	1826	
Jenis Pohon sarang	Puwun	see data		resak payo	
Ketinggian pohon sarang	17	Mudin	tdk lihat	7	
Ketinggian sarang diukur dari dasar sarang	15			6	
Posisi sarang	1			3 top	
Membawa daun ke dalam sarang?		-		-	
Jam mengambil daun	Don't think	-	tdk lihat	-	
Jenis daun yang dibawa	50	-		-	
Jarak asal daun ke sarang		-		-	
Nest Features (ada / tidak / tidak tau)					
Bantal		ya		ya	
Selimut		-	tdk lihat	-	
Atap	?	-		-	
Alas	o	ya		?	
Vocalisation?		ya	2x ?	15x rasap + brandus lawas	
Menggigit ranting?		ya		tdk	
Arah tidur (kepala ke kaki)		see data	tdk lihat	240°	
Jam Golek		Mudin	±1852	1826 I A between 1846 - 1853	
Pohon Pakan Terakhir					
Jarak ke pohon terakhir di makan	0	see data		320	
Arah ke pohon terakhir di makan	0	data	?	7m	
Crop load pohon terakhir di makan	Puwun	Mudin		resak	
Crop load pohon sarang	Puwun			lu. resak payo	
Perilaku Sosial					
Main-main dalam sarang?	-	-	-	Cop.	
Sarang khusus utk main main?	-	-	-	tdk raya rasa - terpaus	
Jarak sarang2 saat ada party	-	5m I	7m I	5m + 7/10m	
Besok					
Jam berangkat dari sarang					
Jarak ke pohon pertama di makan (pagi)					
Arah ke pohon pertama di makan					
Crop load pohon pertama di makan					
Pembelajaran sosial Ibu-anak					
Ibu-anak satu/lain sarang?	-	-	-	1	
Jarak sarang ibu dari anaknya	-	-	-	-	
Jam	Jarak anak dari Ibu	Aktivitas Anak	Keterangan		
			18:27 ♂ enters I's nest - copulation		
			sands heard		
			18:34 ♂ leaves I's nest		

Date: 23-8-07

Obs: Ellen, Muddin

Lisa & Lilly

mendekati/menjauhi ibu + anak (mother+infant only)

2 m				10 m				kecepatan makan anak				
jam	yg md	jam	yg mj	jam	yg md	jam	yg mj	Jam	Jenis	masak/ mentah	lamanya m; d	Jumlah
		610	I	1300 ¹³¹⁰ 7 A		1304	I					
612	A	627 ⁷ *	A			1311	I					
640	I	641	I		not sure	1312	I					
645	A				edge -							
645	A	645 ²	I									
648	A	649	I									
704	A	710	I									
714	A	714 ⁰	I									
805	A(0+2)	808	I(0)									
808	A(0)	808	I(0)									
		812 ¹	I(2)									
825	A(0+2)	827	I(0)									
827	A(0)	828	I(0+2)									
829	A(2)	830	I(2)									
841	A(2+0)	843	I(0)									
844	A(0)	847	A(0)									
847	A(0)	848	A(0)									
850	A(0)											
850	A(0)	900	I(0)									
901	A(0)	901 ⁰	I(0)									
906	A(2)	907	A(2)									
1035	A(2)	1036	A(2)									
1045	I	1036	A(2)									
1103	A	1102	A(2)									
1104	A	1104	A									
1110	A	1114	A									
1142	A	1153	A		2m							
1150	A	1154	A									
1247	A	1257	I	1756	A	1801	A					
1252	A	1256 ¹	I?	1810	A	1814 ²	A					
1315	A	1326	I *	1834	A	1837	A					
1332	A(2+0)	1335	A(0)	1837	A	1837						
		1336	A(2)									
1343	I	1344	A	1853	A(0)							
1402	A	1409 ²	I									
1412	A	1414	A									
1421	A	1431	I(2)									
1503	A											
1520	A(0)	1523	I+A(0+2)									
1537	A(0+2)	1538	I									
1544	A											
1541	A	1551	A									
1552	A	1602	A									
1617	A ⁰ again	1620	I									
1612	A ⁰ also	1617	A									
1626	A	1624	I									
		1627	A									
1645	A	1656	A									
1719	A	1740	A									
1742	A+I	1743	A									
1744	A+I	1755	A+I?									

* didn't see anak going off and from 612-626 I was getting berate sample but at 626 I thought I saw A still L+begging