

APPENDIX V (on separate sheets)

Distribution maps of tree trunks in permanent forest plots

1. Pinang Pinang Plot
2. Gajabuih Plot

Open circle: number trees living during Jan. 1984-Dec. 1987
Solid circle: number trees dead during Jan. 1984-Dec. 1987
Open square: number trees added since Jan. 1984

Several large trees are expressed by projected form of trunk base.

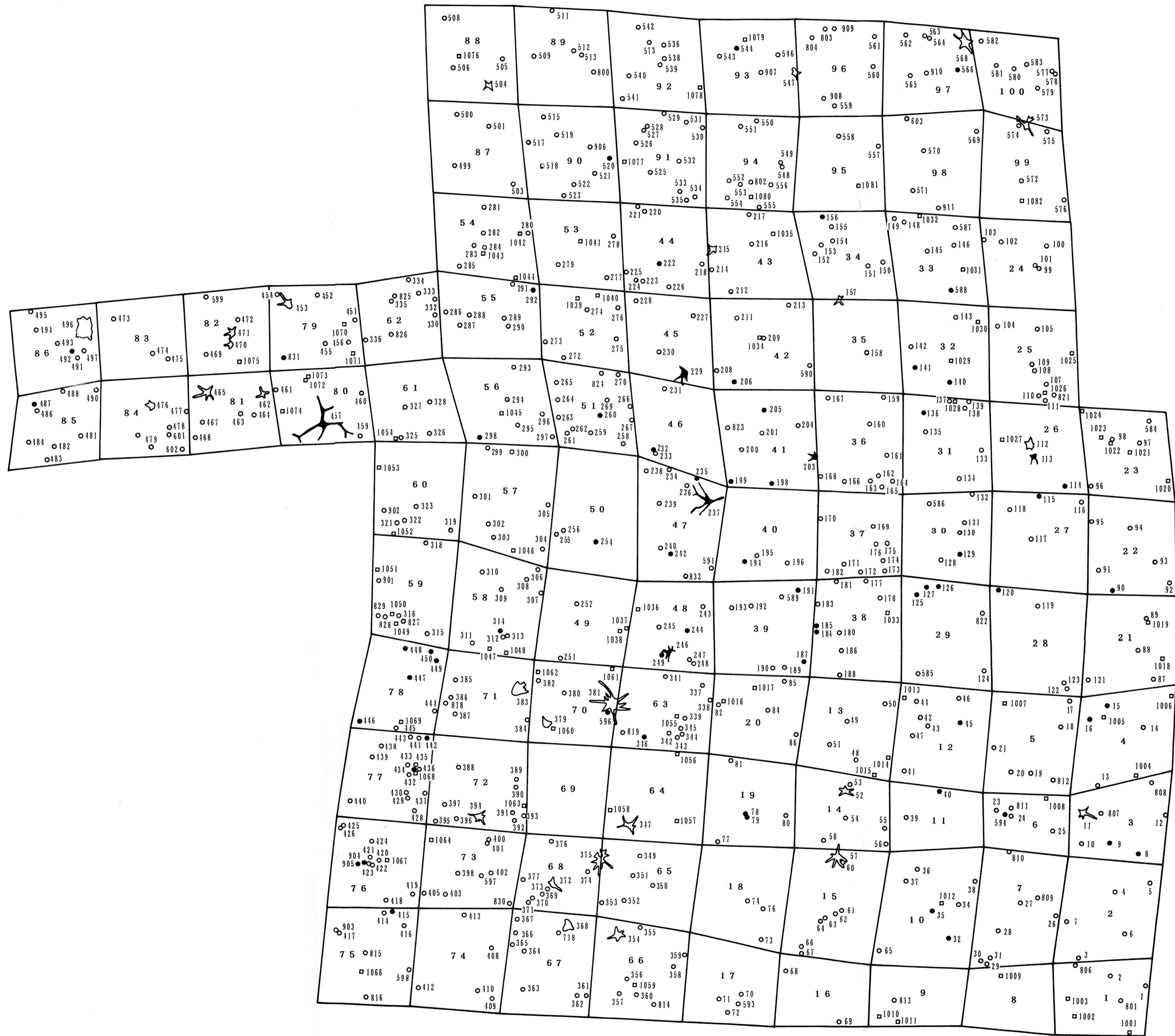
Drawn by T. Kohyama referring the crown projection maps by K. Ogino and M. Hotta in "*Forest ecology and flora of G. Gadut, West Sumatra*" (ed. by M. Hotta), Sumatra Nature Study (botany), Yoshida College, Kyoto University, Kyoto (1984).

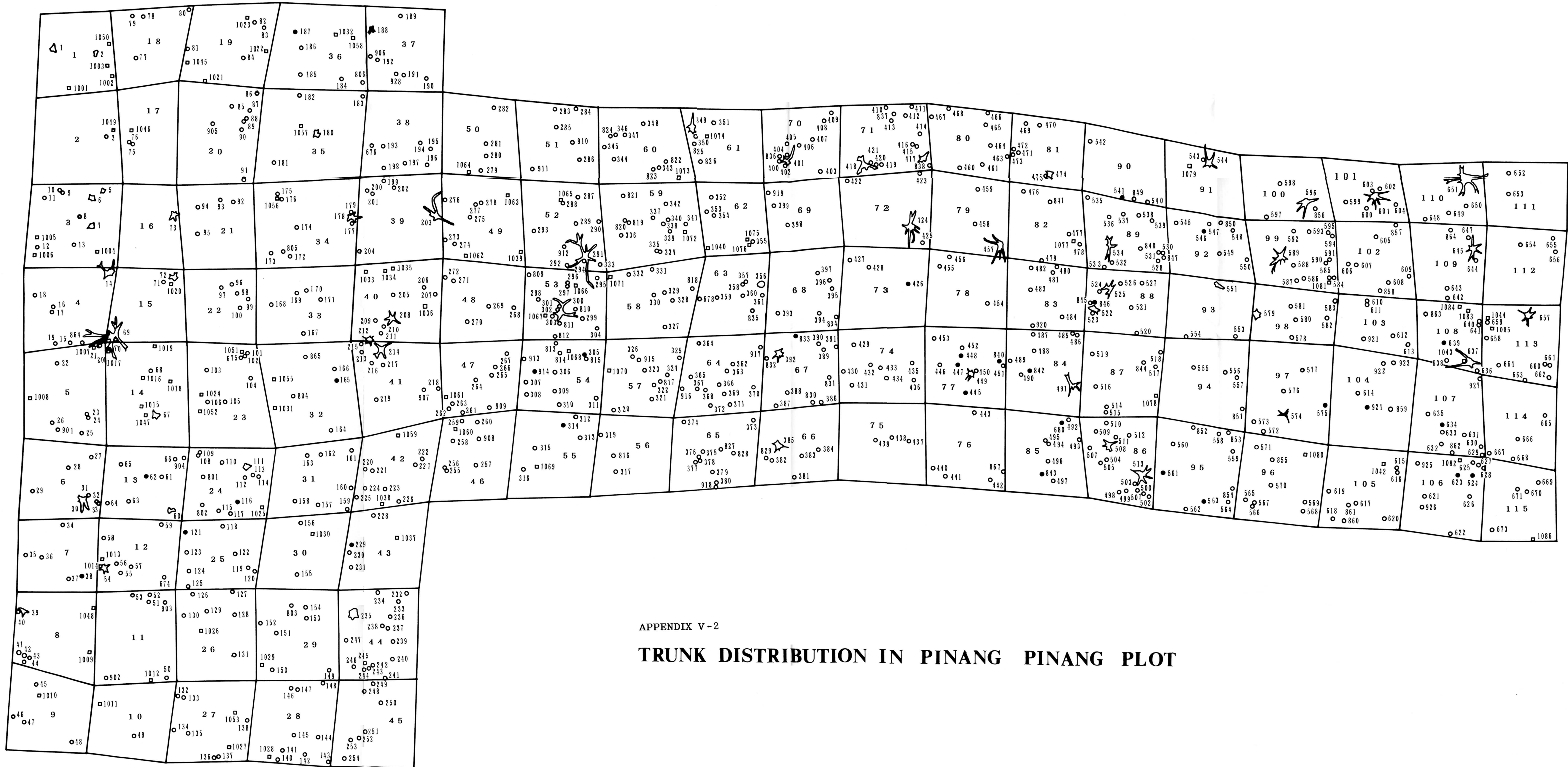
APPENDIX VI (on separate sheets)

Profile diagrams of permanent forest plots

1. Gajabuih Plot
(subplots 44-48 and 63-66)
2. Pinang Pinang Atas Transect
(subplots 14-37; from the ridge to SE slope)

Sketched by M. Hotta in Dec. 1987

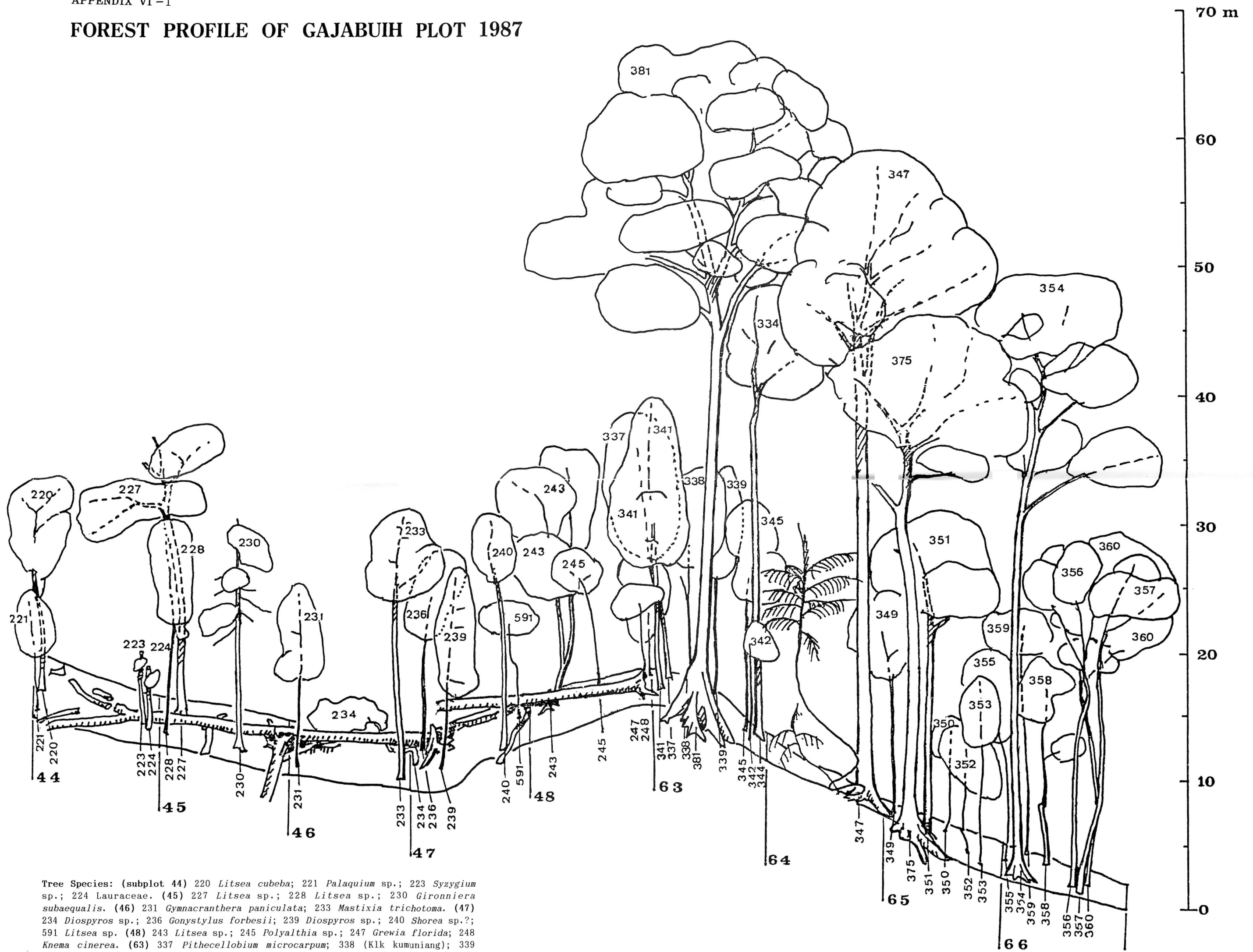




APPENDIX V-2

TRUNK DISTRIBUTION IN PINANG PINANG PLOT

FOREST PROFILE OF GAJABUIH PLOT 1987

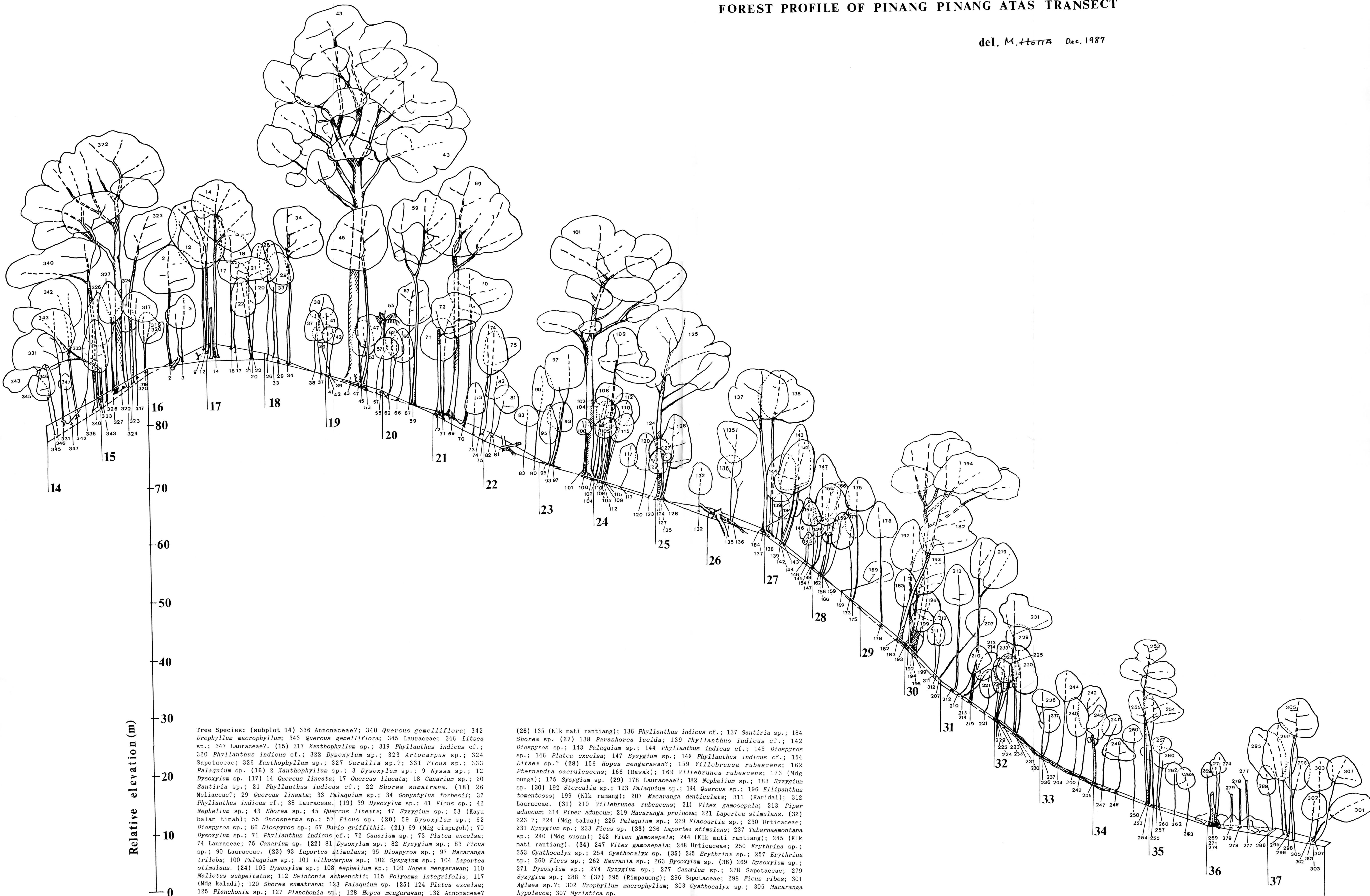


Tree Species: (subplot 44) 220 *Litsea cubeba*; 221 *Palaquium* sp.; 223 *Syzygium* sp.; 224 Lauraceae. (45) 227 *Litsea* sp.; 228 *Litsea* sp.; 230 *Gironniera subaequalis*. (46) 231 *Gynacranthera paniculata*; 233 *Mastixia trichotoma*. (47) 234 *Diospyros* sp.; 236 *Gonystylus forbesii*; 239 *Diospyros* sp.; 240 *Shorea* sp.?; 591 *Litsea* sp. (48) 243 *Litsea* sp.; 245 *Polyalthia* sp.; 247 *Grewia florida*; 248 *Knema cinerea*. (63) 337 *Pithecellobium microcarpum*; 338 (Klk kumuniang); 339 *Litsea* sp.; 341 *Canarium* sp.; 342 *Myristica* sp.; 344 *Nephelium* sp.; 345 *Phyllanthus indicus* cf. (64) 347 *Swintonia schwenckii*. (65) 349 *Syzygium* sp.; 350 *Laportea stimulans*; 351 *Planchonia valida*; 352 *Mallotus subpeltatus* cf.; 353

Shorea sp.? (66) 354 (Rambutan rimbo); 355 *Pithecellobium microcarpum*; 356 *Canarium denticulatum*; 357 *Timonius wallichianus*; 358 *Syzygium* sp.; 359 *Litsea* sp.; 360 (Mdg buah palo). (68) 375 *Lithocarpus* sp. (70) 381 *Swintonia schwenckii*.

FOREST PROFILE OF PINANG PINANG ATAS TRANSECT

del. M. Hotta Dec. 1987



Tree Species: (subplot 14) 336 Annonaceae?; 340 *Quercus gemelliflora*; 342 *Urophyllum macrophyllum*; 343 *Quercus gemelliflora*; 345 Lauraceae; 346 *Litsea* sp.; 347 Lauraceae?; (15) 317 *Xanthophyllum* sp.; 319 *Phyllanthus indicus* cf.; 320 *Phyllanthus indicus* cf.; 322 *Dysoxylum* sp.; 323 *Artocarpus* sp.; 324 Sapotaceae; 326 *Xanthophyllum* sp.; 327 *Carallia* sp.?; 331 *Ficus* sp.; 333 *Palaquium* sp. (16) 2 *Xanthophyllum* sp.; 3 *Dysoxylum* sp.; 9 *Nyssa* sp.; 12 *Dysoxylum* sp. (17) 14 *Quercus lineata*; 17 *Quercus lineata*; 18 *Canarium* sp.; 20 *Santiria* sp.; 21 *Phyllanthus indicus* cf.; 22 *Shorea sumatrana*. (18) 26 *Meliaceae*?; 29 *Quercus lineata*; 33 *Palaquium* sp.; 34 *Gonystylus forbesii*; 37 *Phyllanthus indicus* cf.; 38 Lauraceae. (19) 39 *Dysoxylum* sp.; 41 *Ficus* sp.; 42 *Nephelium* sp.; 43 *Shorea* sp.; 45 *Quercus lineata*; 47 *Syzygium* sp.; 53 (Kayu balam timah); 55 *Oncosperma* sp.; 57 *Ficus* sp. (20) 59 *Dysoxylum* sp.; 62 *Diospyros* sp.; 66 *Diospyros* sp.; 67 *Durio griffithii*. (21) 69 (Mdg cimpagoh); 70 *Dysoxylum* sp.; 71 *Phyllanthus indicus* cf.; 72 *Canarium* sp.; 73 *Platea excelsa*; 74 Lauraceae; 75 *Canarium* sp. (22) 81 *Dysoxylum* sp.; 82 *Syzygium* sp.; 83 *Ficus* sp.; 90 Lauraceae. (23) 93 *Laportea stimulans*; 95 *Diospyros* sp.; 97 *Macaranga triloba*; 100 *Palaquium* sp.; 101 *Lithocarpus* sp.; 102 *Syzygium* sp.; 104 *Laportea stimulans*. (24) 105 *Dysoxylum* sp.; 108 *Nephelium* sp.; 109 *Hopea mengarawan*; 110 *Mallotus subpeltatus*; 112 *Swintonia schwenckii*; 115 *Polyosma integrifolia*; 117 (Mdg kaladi); 120 *Shorea sumatrana*; 123 *Palaquium* sp. (25) 124 *Platea excelsa*; 125 *Planchonia* sp.; 127 *Planchonia* sp.; 128 *Hopea mengarawan*; 132 Annonaceae?

(26) 135 (Klk mati rantiang); 136 *Phyllanthus indicus* cf.; 137 *Santiria* sp.; 184 *Shorea* sp. (27) 138 *Parashorea lucida*; 139 *Phyllanthus indicus* cf.; 142 *Diospyros* sp.; 143 *Palaquium* sp.; 144 *Phyllanthus indicus* cf.; 145 *Diospyros* sp.; 146 *Platea excelsa*; 147 *Syzygium* sp.; 148 *Phyllanthus indicus* cf.; 154 *Litsea* sp.? (28) 156 *Hopea mengarawan*?; 159 *Villebrunea rubescens*; 162 *Pternandra caerulescens*; 166 (Bawak); 169 *Villebrunea rubescens*; 173 (Mdg bunga); 175 *Syzygium* sp. (29) 178 Lauraceae?; 182 *Nephelium* sp.; 183 *Syzygium* sp. (30) 192 *Sterculia* sp.; 193 *Palaquium* sp.; 194 *Quercus* sp.; 196 *Ellipanthus tomentosus*; 199 (Klk ramang); 207 *Macaranga denticulata*; 311 (Karidai); 312 Lauraceae. (31) 210 *Villebrunea rubescens*; 211 *Vitex gamosepala*; 213 *Piper aduncum*; 214 *Piper aduncum*; 219 *Macaranga pruinosa*; 221 *Laportea stimulans*. (32) 223 ?; 224 (Mdg talua); 225 *Palaquium* sp.; 229 *Flacourtia* sp.; 230 *Urticaceae*; 231 *Syzygium* sp.; 233 *Ficus* sp. (33) 236 *Laportea stimulans*; 237 *Tabernaemontana* sp.; 240 (Mdg susun); 242 *Vitex gamosepala*; 244 (Klk mati rantiang); 245 (Klk mati rantiang). (34) 247 *Vitex gamosepala*; 248 *Urticaceae*; 250 *Erythrina* sp.; 253 *Cyathocalyx* sp.; 254 *Cyathocalyx* sp. (35) 245 *Erythrina* sp.; 257 *Erythrina* sp.; 260 *Ficus* sp.; 262 *Saurauia* sp.; 263 *Dysoxylum* sp. (36) 269 *Dysoxylum* sp.; 271 *Dysoxylum* sp.; 274 *Syzygium* sp.; 277 *Canarium* sp.; 278 Sapotaceae; 279 *Syzygium* sp.; 288 ? (37) 295 (Rimpauong); 296 Sapotaceae; 298 *Ficus ribes*; 301 *Aglaea* sp.?; 302 *Urophyllum macrophyllum*; 303 *Cyathocalyx* sp.; 305 *Macaranga hypoleuca*; 307 *Myristica* sp.