

## DAFTAR PUSTAKA

- Achmad, N.S. 2011. *Jenis, Kelimpahan, dan Distribusi Tumbuhan Pakan Macaca maura Schinz di Hutan Pendidikan Universitas Hasanuddin*. Fakultas Kehutanan. Makassar.
- Agustinus. 2011. *Daerah Jelajah dan Potensi Jenis Tumbuhan Pakan Macaca maura Schinz Pada Kelompok 1 di Hutan Pendidikan Universitas Hasanuddin*. Fakultas Kehutanan. Makassar.
- Albani, A., M. Cutini, L. Germani, E.P. Riley, P.O. Ngakan, dan M. Carosi. 2020. Activity budget, home range, and habitat use of moor macaques (*Macaca maura*) in the karst forest of South Sulawesi, Indonesia. *Primates*, pp.1-12.
- Alikodra, H.S. 1990. *Pengelolaan Satwa Liar Jilid I*. Departemen Pendidikan Dan Kebudayaan, Direktorat Jenderal Pendidikan Tinggi, Pusat Antar Universitas Ilmu Hayati, IPB: Bogor.
- BKSDA, 2018. *Suaka Margasatwa Ko'mara*. <http://ksdasulsel.menlhk.go.id/post/suaka-margasatwa-komara> diakses pada 3 Mei 2021 pukul 1:13 AM).
- BKSDA, 2019. *Laporan Pengumpulan Data Lapangan EKF SM. Ko'mara Tahun 2019*. Balai Besar KSDA Sulawesi Selatan Direktorat Jenderal KSDAE Kementerian Lingkungan Hidup dan Kehutanan Republik Indonesia, Sulawesi Selatan. 88 hal.
- Börger L. Dalzie B. D. Fryxell J.M. 2008. Are there general mechanisms of animal home range behaviour? A review and prospects for future research. *Ecology Letters* 11(6);637-50. <http://dx.doi.org/10.1111/j.1461-0248.2008.01182.x>.
- Botting, J. 2020. “Moor macaque”. <https://www.neprimateconservancy.org/moor-macaque.html> diakses pada 3 April 2021 pukul 1:27 AM.
- Carbone C, Cowlshaw G, Isaac NJB, Rowcliffe JM. 2005. How far do animals go? Determinants of day range in mammals. *Am. Nature*. 165, 290– 297

- Cowlshaw, G. & Dunbar, R. 2000. *Primate conservation biology*. University of Chicago Press: Chicago. 498 pp. ISBN 0-226-11637-9 (soft cover). <http://dx.doi.org/10.1017/S1367943001221337>
- Damuth J. 1981. Population density and body size in mammals. *Nature* 290, 699 – 700
- Djègo-Djossou, S., I, Koné., Fandohan, A. B., Djègo, J. G., Huynen, M. C., Sinsin, B., 2015. Habitat Use by White-Thighed Colobus in the Kikélé Sacred Forest: Activity Budget, Feeding Ecology and Selection of Sleeping Trees. *Primate Conservation* 29. Hal 1. <http://dx.doi.org/10.1896/052.029.0106>
- Dunbar, R. I. M. (1988). *Primate social systems*. London: Croom Helm.
- Evans B.J., J. Supriatna dan D.J. Melnick 2001. Hybridization And Population Genetics Of Two Macaque Species In Sulawesi, Indonesia. *Evolution* 55(8): 1686-1702.
- Fooden, J. 1969. *Taxonomy and Evolution of The Monkey of Celebes*. Karger : Basel.
- Groves, C.P. 1980. *Speciation in Macaca: the view from Sulawesi*. In Lindburg DG (ed): *The Macaques: Studies in Ecology, Behavior, and Evolution*. Van Nostrand Rheinhold, New York, pp. 84-124.
- Hanson, K. T. 2017. *Primates watching primates watching primates: An ethnoprimateological account of the habituation process in Moor macaques (Macaca maura) [Tesis]*. Amerika Serikat (US): San Diego State University
- Harcourt, A.H. and Doherty, D.A. (2005) Species-Area Relationships of Primates in Tropical Forest Fragments: A Global Analysis. *Journal of Applied Ecology*, 42, 630-637. <http://dx.doi.org/10.1111/j.1365-2664.2005.01037.x>
- Hardjana, A. K. (2013). Model Hubungan Tinggi Dan Diameter Tajuk Dengan Diameter Setinggi Dada Pada Tegakan Tengkawang Tungkul Putih (*Shorea Macrophylla* (De Vriese) P.S. Ashton) Dan Tungkul Merah (*Shorea Stenoptera Burck*) Di Semboja, Kabupaten Sanggau. *Jurnal Penelitian Dipterokarpa*. Vol. 7 No.1, Hal: 7-18.
- Harrison, N. J. 2020. Sleeping trees and sleep-related behaviours of the siamang (*Symphalangus syndactylus*) in a tropical lowland rainforest, Sumatra, Indonesia. *Primate* 62. Hal 2 – 12. <http://dx.doi.org/10.1007/s10329-020-00849-8>.

- Hutchinson, J. M. C., Waser, P. M. 2007. *Use, misuse and extensions of "ideal gas" models of animal encounter*. Biological reviews of the Cambridge Philosophical Society 82 (3); 335-359. <http://dx.doi.org/10.1111/j.1469-185X.2007.00014.x>
- IUCN. 2008. *Macaca maura* (Celebes Macaque, Moor Macaque). www.iucnredlist.org diunduh tanggal 20 Februari 2021
- Kemp N J & Burnett JB. 2003. *Kera Ekor Panjang (Macaca fascicularis) di Pulau Nugini : Penilaian dan Penatalaksanaan Resiko terhadap Keanekaragaman Hayati*. Terjemahan Ninil RM, dkk., (Laporan Akhir). Washington DC : Indo-Pacific Conservation Alliance.
- MacKinnon, K.S. 1983. *Report Of A World Health Organization Cosultancy To Indonesia To Determine Population Estimates Of The Cynomolgus Or Long-Tailed Macaque Macaca fascicularis (And Other Primates) And The Feasibility Of Semi-Wild Breeding Project Of This Species*. Who Primate Resources Program Feasibility Study : Phase II. Bogor, Indonesia (unpublished report).
- Matsumura, S. 1991. *The Ecology and Social Behavior of Moor Macaca (Macaca maurus) in Sulawesi, Indonesia*. Kyoto Univ. Overseas Res. Rep. Asian Nonhuman Primates 8: 27 – 41.
- McNab BK. 1963. Bioenergetics and the determination of home range size. *Am. Nature*. 97, 133– 140.
- Mueller-Dombois, D dan Ellenberg, H. 1974. *Aims and Methods in Vegetation Ecology*. John Willey & Sons. New York.
- Newton-Fisher, N. E. 2003. The home range of the Sonso community of chimpanzees from the Budongo Forest, Uganda. *African. Journal of Ecology*, 41, 150 –156.
- Noerdjito, M., dan Maryanto. I. 2001. *Jenis-jenis Hayati yang Dilindungi Perundang-Undangan Indonesia*. LIPI, Jakarta.
- Okamoto K., S. Matsumura dan K. Watanabe 2000. Life history and demography of wild *Moor macaques* (Macaca maurus): Summary of ten years of observations. *American Journal of Primatology* 52: 1-11

- Pearce F, Carbone C, Cowlshaw G, Isaac NJB. 2013 Space-use scaling and home range overlap in primates. *Proceeding of The Royal Society B* 280: 20122122. <http://dx.doi.org/10.1098/rspb.2012.2122>
- Powell, R. A. 2000. *Research Techniques in Animal Ecology : Animal Home Ranges and Territories and Home Range Estimators*. New York : Columbia University Press.
- Riley, E., Lee, R., Sangermano, F., Cannon, C. & Shekelle, M. 2020. *Macaca maura* (errata version published in 2021). *The IUCN Red List of Threatened Species*.
- Riley, E.P. 2010. The endemic seven: four decades of research on the Sulawesi macaques. *Evol Anthropol* 19(1):22–36. <https://doi.org/10.1002/evan.20246>
- Roos, C., Boonratana, R., Supriatna, J., Fellowes, J.R., Groves, C., Nash, S.D., Rylands, A.B. and Mittermeier, R.A. 2014. An updated taxonomy and conservation status review of Asian primates. *Asian Primates Journal* 4(1).
- Safitri, A. J. 2021. Skripsi : *Perilaku Harian Monyet Hitam Sulawesi (Macaca maura) di Laboratorium Lapangan Konservasi Sumberdaya Hutan Dan Ekowisata Hutan Pendidikan Universitas Hasanuddin*. Makassar. Universitas Hasanuddin.
- Sari, D.D. 2009. *Profil Darah Monyet Ekor Panjang (Macaca fascicularis) yang diberi pakan berenergi tinggi pada periode obesitas empat bulan kedua*. Departemen Ilmu Produksi dan Teknologi Peternakan, Fakultas Peternakan, IPB. Bogor. 2020: e.T12553A197831931. <https://dx.doi.org/10.2305/IUCN.UK.2020-3.RLTS.T12553A197831931.en>
- Setiawan, A., Kanedi, M., Rustiati, E. L., dan Panjaitan, R. H.P. 2013. Tree Characteristics For Sleeping Of The Long Tailed *Macaques (Macaca Fascicularis)* In Youth Camp Area Of Great Forest Park Of Wan Abdul Rachman Lampung. *Jurnal Ilmiah : Biologi Eksperimen dan Keanekaragaman Hayati*. Vol. 1 No. 1. Hal 40-43
- Singleton, I., C.D. Knott, H.C. Morragh-Bernard, S.A. Wich & C.P. van Schaik. 2009. *Ranging behavior of orang utan females and social organization*. Dalam. S.A. Wich, S.S.U. Atmoko, T. Mitrasetia & C.P van Schaik . (eds). *Orang utans:*

- Geographic variation in behavioral and conservation*. Oxford University Press, New York: 205-214. <http://dx.doi.org/10.5167/uzh-31342>.
- Stamps, J. 1995. Motor learning and the value of familiar space. *American Naturalist* 146: 41-58.
- Supriatna, J. dan E.H. Wahyono. 2000. *Panduan Lapangan Primata Indonesia*. Jakarta, Yayasan Obor Indonesia.
- Supriatna, J. dan R. Ramadhan. 2016. *Pariwisata Primata Indonesia*. Jakarta: Yayasan Pustaka Obor Indonesia.
- Supriatna, J., Shekelle, M. and Burton, J. 2008. *Macaca maura*. In: *The IUCN Red List of Threatened Species. Version 2014.3*. Available at: [www.iucnredlist.org](http://www.iucnredlist.org).
- Wahyudi, M. A. R. 2021. Skripsi : *Daerah Jelajah (Home Range) dan Karakteristik Pohon Tidur Monyet Hitam Sulawesi (Macaca maura) di Laboratorium Lapangan Konservasi Sumberdaya Hutan dan Ekowisata Hutan Pendidikan Universitas Hasanuddin*. Makassar. Universitas Hasanuddin.
- Wal E. V., Rodgers A. 2012. An individual-based quantitative approach for delineating core areas of animal space use. *Ecological Modelling* 224(1). <http://dx.doi.org/10.1016/j.ecolmodel.2011.10.006>
- Wartmann, F. M, Juarez, C., Fernandez-Duque, E. 2014. Size, Site Fidelity, and Overlap of Home Ranges and Core Areas in the Socially Monogamous Owl Monkey (*Aotus azarae*) of Northern Argentina. *International Journal Of Primatology* 35. Hal 14. <http://dx.doi.org/10.1007/s10764-014-9771-7>.
- Watanabe, K. dan E. Brotoisworo. 1982. *Field observation of Sulawesi Macaques*. Kyoto Univ. Overseas Res. Rep. Asian Nonhuman Primates.
- Winarno, G. K dan Harianto, S. P. 2018. *Perilaku Satwa Liar (Ethology)*. Perpeustakaan Nasional RI : Katalog Dalam Terbitan (KDT). ISBN : 978-602-5940-31-6
- Nurrani, L., Tappa, S., Patandi S. N. 2012. Karakteristik Kualitatif Tipe Penggunaan Lahan di Zona Penyangga Taman Nasional Akatajawe Lolobata. *Jurnal Penelitian Kehutanan Wallacea* 1(2): 117. <http://dx.doi.org/10.18330/jwallacea.2012.vol1iss2pp117-133>

# LAMPIRAN

Lampiran 1. Data Homerange *Macaca maura* selama pengamatan pada *Macaca maura* di Suaka Margasatwa Ko'mara, Desa Bissoloro, Kabupaten Gowa

| 25 Agustus 2021 |            |
|-----------------|------------|
| Azimuth         | Jarak (km) |
| 178             | 0,13       |
| 186             | 0,10       |
| 245             | 0,14       |
| 7               | 0,13       |
| 7               | 0,18       |
| Total           | 0,68       |

| 26 Agustus 2021 |            |
|-----------------|------------|
| Azimuth         | Jarak (km) |
| 208             | 0,18       |
| 139             | 0,25       |
| 132             | 0,14       |
| 343             | 0,21       |
| 354             | 0,21       |
| Total           | 0,99       |

| 27 Agustus 2021 |            |
|-----------------|------------|
| Azimuth         | Jarak (km) |
| 134             | 0,01       |
| 214             | 0,12       |
| 174             | 0,22       |
| 311             | 0,24       |
| 34              | 0,12       |
| Total           | 0,71       |

| 28 Agustus 2021 |            |
|-----------------|------------|
| Azimuth         | Jarak (km) |
| 267             | 0,15       |
| 146             | 0,14       |
| 106             | 0,25       |
| 357             | 0,27       |
| Total           | 0,81       |

| 4 September 2021 |            |
|------------------|------------|
| Azimuth          | Jarak (km) |
| 170              | 0,10       |
| 203              | 0,17       |
| 102              | 0,10       |
| 146              | 0,29       |
| 270              | 0,04       |
| 246              | 0,05       |
| 123              | 0,08       |
| 31               | 0,09       |
| 334              | 0,26       |
| 351              | 0,24       |
| Total            | 1,42       |

| 5 September 2021 |            |
|------------------|------------|
| Azimuth          | Jarak (km) |
| 271              | 0,31       |
| 143              | 0,04       |
| 110              | 0,16       |
| 77               | 0,08       |
| 48               | 0,09       |
| Total            | 0,68       |

| 6 September 2021 |            |
|------------------|------------|
| Azimuth          | Jarak (km) |
| 86               | 0,02       |
| 123              | 0,16       |
| 228              | 0,11       |
| 273              | 0,11       |
| 234              | 0,09       |
| 152              | 0,08       |
| 106              | 0,21       |
| 138              | 0,07       |
| 269              | 0,23       |
| 141              | 0,09       |
| 113              | 0,04       |
| 96               | 0,18       |
| 67               | 0,03       |
| 334              | 0,28       |
| 330              | 0,27       |
| Total            | 1,97       |

| 8 September 2021 |            |
|------------------|------------|
| Azimuth          | Jarak (km) |
| 292              | 0,25       |
| 340              | 0,18       |
| 85               | 0,18       |
| Total            | 0,61       |

| 9 September 2021 |            |
|------------------|------------|
| Azimuth          | Jarak (km) |
| 227              | 0,12       |
| 140              | 0,20       |
| 111              | 0,13       |
| 346              | 0,14       |
| 338              | 0,12       |
| Total            | 0,71       |

| 10 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 117               | 0,18       |
| 200               | 0,39       |
| 118               | 0,17       |
| 306               | 0,79       |
| 78                | 0,18       |
| Total             | 1,71       |

| 11 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 44                | 0,13       |
| 213               | 0,12       |
| 143               | 0,18       |
| 149               | 0,34       |
| 321               | 0,11       |
| 327               | 0,17       |
| 325               | 0,26       |
| Total             | 1,32       |

| 12 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 186               | 0,11       |
| 131               | 0,27       |
| 81                | 0,22       |
| 15                | 0,19       |
| 304               | 0,24       |
| 256               | 0,24       |
| Total             | 1,27       |

| 13 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 232               | 0,15       |
| 121               | 0,17       |
| 114               | 0,26       |
| 4                 | 0,15       |
| 24                | 0,23       |
| 268               | 0,18       |
| 342               | 0,12       |
| Total             | 1,26       |

| 14 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 108               | 0,03       |
| 198               | 0,03       |
| 187               | 0,08       |
| 170               | 0,08       |
| 111               | 0,14       |
| 161               | 0,13       |
| 219               | 0,21       |
| 333               | 0,18       |
| Total             | 0,88       |

| 15 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 102               | 0,20       |
| 46                | 0,20       |
| 340               | 0,06       |
| 296               | 0,18       |
| Total             | 0,64       |



| 16 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 164               | 0,12       |
| 201               | 0,21       |
| 286               | 0,20       |
| 52                | 0,11       |
| 12                | 0,22       |
| Total             | 0,86       |

| 17 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 163               | 0,14       |
| 140               | 0,21       |
| 28                | 0,20       |
| 320               | 0,10       |
| 277               | 0,11       |
| Total             | 0,76       |

| 20 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 135               | 0,10       |
| 164               | 0,13       |
| 249               | 0,20       |
| 304               | 0,17       |
| 37                | 0,12       |
| Total             | 0,71       |

| 21 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 66                | 0,13       |
| 19                | 0,04       |
| 349               | 0,14       |
| 324               | 0,14       |
| 199               | 0,08       |
| 134               | 0,03       |
| 151               | 0,08       |
| 192               | 0,12       |
| 211               | 0,07       |
| Total             | 0,82       |

| 22 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 161               | 0,09       |
| 129               | 0,10       |
| 18                | 0,29       |
| 278               | 0,28       |
| 210               | 0,13       |
| Total             | 0,89       |

| 23 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 67                | 0,28       |
| 82                | 0,10       |
| 223               | 0,31       |
| 305               | 0,18       |
| Total             | 0,87       |

| 24 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 84                | 0,09       |
| 121               | 0,11       |
| 149               | 0,11       |
| 212               | 0,08       |
| 278               | 0,05       |
| Total             | 0,44       |

| 25 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 137               | 0,09       |
| 165               | 0,17       |
| 62                | 0,12       |
| 358               | 0,17       |
| 33                | 0,14       |
| 313               | 0,17       |
| Total             | 0,87       |

| 26 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 252               | 0,20       |
| 207               | 0,11       |
| 173               | 0,14       |
| 47                | 0,11       |
| Total             | 0,57       |

| 27 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 296               | 0,23       |
| 61                | 0,18       |
| 95                | 0,17       |
| 157               | 0,10       |
| 174               | 0,22       |
| 287               | 0,15       |
| Total             | 0,95       |

| 28 September 2021 |            |
|-------------------|------------|
| Azimuth           | Jarak (km) |
| 49                | 0,14       |
| 29                | 0,22       |
| 237               | 0,19       |
| 248               | 0,17       |
| 329               | 0,08       |
| Total             | 0,80       |

| 5 Oktober 2021 |            |
|----------------|------------|
| Azimuth        | Jarak (km) |
| 244            | 0,12       |
| 115            | 0,11       |
| 132            | 0,25       |
| 11             | 0,19       |
| 337            | 0,17       |
| Total          | 0,84       |

| 6 Oktober 2021 |            |
|----------------|------------|
| Azimuth        | Jarak (km) |
| 280            | 0,18       |
| 213            | 0,17       |
| 268            | 0,10       |
| 102            | 0,23       |
| 182            | 0,07       |
| Total          | 0,75       |

| 7 Oktober 2021 |            |
|----------------|------------|
| Azimuth        | Jarak (km) |
| 148            | 0,28       |
| 4              | 0,11       |
| 10             | 0,18       |
| 313            | 0,14       |
| 211            | 0,16       |
| Total          | 0,88       |

| 8 Oktober 2021 |            |
|----------------|------------|
| Azimuth        | Jarak (km) |
| 160            | 0,19       |
| 133            | 0,17       |
| 8              | 0,20       |
| 19             | 0,21       |
| 314            | 0,19       |
| Total          | 0,95       |

Lampiran 2 : Dokumentasi kegiatan di lapangan

*Macaca maura*







Proses pengukuran luas tajuk dan diameter pohon tidur

