

DAFTAR PUSTAKA

- Akzad, Muhammad. B., Nuraeni, S., & Larekeng, S. H. 2021. Detecting DNA Polymorphism on Mulberry (*Morus Sp.*) Using RAPD And ISSR Markers. *Plant Cell Biotechnology and Molecular Biology ISSN 0972-2025*, 22(36), 106–111.
- Albasri, Faisal Danu Tuheteru, I. M. S. S. 2019. Tahura Nipa-Nipa Kota Kendari. *Jurnal Ecogreen*, 5(1), 77–81.
- Albasri, Kartono. D, Faisal Danu Tuheteru, Husna, Arif A. , Zulkarnain, Basrudin, Usliawati Z., La Baco, Arniawati, & Nurdin W. R. 2020. Kekayaan jenis-jenis pohon sepanjang jalur tracking air jatuh Lahundape Tahura nipa-nipa kendari. *Deepublish*,
- Almeida-Pereira, C.S., Silva, A.V.C., Alves, R.P., Feitosa-Alcantara, R.B., Arrigoni-Blank, M.F., Alvares-Carvalho, S.V., Costa, T.S., White, L.A.S., Pinto, V.S., Sampaio, T.S. & Blank, A.F., 2017. Genetic Diversity of Native populations of *Croton tetradenius* Baill Using ISSR Markers. *Genetic Molecular Research*, 16(2): 1-12.
- Andi, A.J., Siahaan., Indriyanto dan Setiawan A. 2015. Densitas Pohon Dewasa dan Pemudaan Pulau (*Alstonia scholaris*) & Suren (*Toona sureni*) Dalam Blok Koleksi Tumbuhan di Taman Hutan Raya Wan Abdul Rachman. *Jurnal Sylva Lestari* 3(1):91-102.
- Ardiyani, M., Sulistyaningsih, L. D., & Esthi, Y. N. 2014. Keragaman genetik *Tacca leontopetaloides* (L.) Kuntze (Taccaceae) dari beberapa provenansi di Indonesia berdasarkan marka *inter simple sequence repeats* (ISSR). *Berita Biologi*, 13(1), 85–96.
- Azrai, M. 2005. Pemanfaatan marka molekuler dalam proses seleksi pemuliaan tanaman. *J. AgroBiogen* 1:26-37.
- BKSDA Sultra, 2006, Informasi Kawasan Konservasi Propinsi Sulawesi Tenggara, BKSDA– Sultra, Kendari.
- Boer, Y. 2007. Uji Aktivitas Antioksidan Ekstrak Kulit Buah Kandis (*Garcinia parvifolia* Miq). *Jurnal Matematika dan IPA* 1. (1) : 26-33
- Cai, M., Wen, Y., Uchiyama, K., Onuma, Y., & Tsumura, Y. 2020. Population genetic diversity and structure of ancient tree populations of *Cryptomeria japonica* var. *Sinensis* based on RAD- seq data. *Forests*, 11 (11), 1-16. <https://doi.org/10.3390/F1111119>
- Carneiro, F. S., Lacerda, a. E. B., Lemes, M. R., Gribel, R., Kanashiro, M., Wadt, L. H. O., & Sebbenn, a. M. 2011. Effects of selective logging on the mating system and pollen dispersal of *Hymenaea courbaril* L.

- (Leguminosae) in the Eastern Brazilian Amazon as revealed by microsatellite analysis. *Forest Ecology and Management*, 262(9), 1758–1765. <https://doi.org/10.1016/j.foreco.2011.07.023>
- Carsono, N., Lukman, P. N., Damayanti, F., Susanto, U., & Sari, S. (2014). Identifikasi Polimorfis Marka-Marka Molekuler Yang Diduga Padi. *Chimica et Natura Acta*, 2(1), 91–95.
- Chinnappareddy, L. R. D., Khandagale, K., Chennareddy, A., & Ramappa, V. G. 2013. Molecular markers in the improvement of Allium crops. *Czech Journal of Genetics and Plant Breeding*, 49(4), 131-139.
- Danu Tuheteru, F., & Made Suardi Sanjaya, I. 2019. *Slouten) Di Sekitar Sungai Lahundape Tahura Nipa-Nipa Kota Kendari. Ecogreen*. Vol. 5 No. 1, April 2019 Halaman 77 – 81 ISSN 2407 - 9049
- Departemen Kehutanan, 2002, Data dan Informasi Kehutanan Propinsi Sulawesi Tenggara, Pusat Inventarisasi dan Statistik Kehutanan, Badan Planologi Kehutanan, Orang.
- Elfianis, R., Zulfahmi, & Rowmaina. 2017. Kekerabatan Genetik Antar Jenis Kantong Semar (*Nepenthes* spp.) Berdasarkan Penandan Rapd (*Random Amplified Polymorphic DNA*). *Jurnal Agroteknologi*, 1(2), 123–139.
- Fernandez, I. 2002. *Macromedia Flash Animation & Cartooning: A Creative Guide*. Pennsylvania State University.
- Fajri M. 2008. Pengenalan Umum Dipterocarpaceae Kelompok Jenis Bernilai Ekonomi Tinggi. *Info Teknis Dipterocarpa* 2(1):9-21
- Fatchiyah. 2011. *Biologi Molekular – Prinsip Dasar Analisis*. Penerbit Erlangga.
- Flamin, A., Asnaryati, D., Parman, J. S., Unhalu, K., & Kendari, K., T. (2013). POTENSI EKOWISATA DAN STRATEGI PENGEMBANGAN TAHURA Nipa-Nipa, KOTA KENDARI, SULAWESI TENGGARA (Ecotourism potential and strategy development of Tahura Nipa-Nipa, Kendari City, Southeast Sulawesi). In *Jurnal Penelitian Kehutanan Wallacea* (Vol. 2, Issue 2).
- Ghazoul J. 2016. *Dipterocarp Biologi, Ecology and Conservation*. London: Oxford University Press.
- Giri, P., G. Taj & H.S. Ginwal. 2012. Molecular characterization of six populations of *Acorus calamus* L. Using randomly amplified polymorphic DNA (RAPD) markers. *African Journal of Biotechnology*, 11(40): 9522-9526.
- Guo, Q., Cao, S., Dong, L., Li, X., Zhang, J., Zhang, Y., Zhang, Z., Sun, Y., Long, C., Fan, Y., Han, C., Han, P., Liu, X., & Li, Y. 2022. Genetic

- diversity and population structure of *Robinia pseudoacacia* from six improved variety bases in China as revealed by simple sequence repeat markers. *Journal of Forestry Research*, 33(2), 611–621. <https://doi.org/10.1007/S11676-021-01356-2>
- Guo, H.B., K.Y. Huang, T.S. Zhou, Q.H. Wu, Y.J. Zhang, & Z.S. Liang. 2009. DNA isolation, optimization of ISSR- PCR system and primers screening of *Scutellaria baicalensis*. *J. Med. Plant Res.* 3:898-901.
- Gusmiaty, G., Restu, M., Asrianny, A., & Larekeng, S. H. 2017. Polimorfisme Penanda RAPD untuk Analisis Keragaman Genetik Pinus merkusii di Hutan Pendidikan Unhas. *Jurnal Natur Indonesia*, 16(2), 47. <https://doi.org/10.31258/jnat.16.2.47-53>
- Gusmiaty., Restu, M., & Pongtuluran, I. (2012). SELEKSI PRIMER UNTUK ANALISIS KERAGAMAN GENETIK JENIS BITTI (*Vitex coffassus*). *Perennial*, 8(1), 25. <https://doi.org/10.24259/perennial.v8i1.211>
- Hakim, E. H., Syah, Y. M., Juliawaty, L. D., Achmad, S. A., Jalifah Latip, dan, Kimia, J., Universitas Haluoleo Kendari, F., Tenggara, S., 2006. Penelitian Kimia Organik Bahan Alam, K. Tiga oligomer resveratrol dari kulit batang *Hopea gregaria* (dipterocarpaceae) serta sifat toksik dan sitotoksiknya Three resveratrol's oligomers from the stem bark of *H. gregaria* (dipterocarpaceae) and their toxicity and cytotoxicity. *Sahidin Majalah Farmasi Indonesia*, 17(3), 109–115.
- Herman, H., Nainggolan, M., & Roslim, D. I. (2019). OPTIMASI SUHU ANNEALING UNTUK EMPAT PRIMER RAPD PADA KACANG HIJAU (*Vigna radiata* L.). *Dinamika Pertanian*, 34(1), 41–46. [https://doi.org/10.25299/dp.2018.vol34\(1\).4081](https://doi.org/10.25299/dp.2018.vol34(1).4081)
- Jones, T. B., & Manseau, M. 2022. Genetic networks in ecology: A guide to population, relatedness, and pedigree networks and their applications in conservation biology. *Biological Conservation*, 267(December 2021). <https://doi.org/10.1016/j.biocon.2022.109466>
- K. Phillips, N. McCallum, L. Welch, A comparison of methods for forensic DNA extraction: chelex-100 and the QIAGEN DNA Investigator Kit (manual and automated), *Forensic Sci.Int. Genet.* 6. 282–285. 2012.
- Komunitas Teras, 2008, Pemetaan dan Inventarisasi Potensi Kawasan Hutan Nanga-nanga Papalia, Laporan Akhir Kegiatan Bapeda Sultra, Kendari.
- Kumar, S., Parekh, M. J., Fougat, R. S., Patel, S. K., Patel, C. B., Kumar, M., & Patel, B. R. 2017. Assessment of genetic diversity among okra genotypes using SSR markers. *Journal of Plant Biochemistry and Biotechnology*, 26(2), 172–178.
- Larekeng, S. H., Purwito, A., Mattjik, N. A., & Sudarsono, S. 2018.

Microsatellite and SNAP markers used for evaluating pollen dispersal on Pati tall coconuts and Xenia effect on the production of “Kopyor” fruits. *IOP Conference Series: Earth and Environmental Science*, 157(1). <https://doi.org/10.1088/1755-1315/157/1/012042>

Maimunah, S. (2015). *Buku Ajar Kuliah Pemuliaan Pohon*. Program Studi Kehutanan Fakultas Pertanian dan Kehutanan Universitas Muhammadiyah.

Makmur, M. F., Larekeng, S. H., & Restu, M. 2020. Genetic Diversity Of Eight Types Of Bamboo Based On Random Amplified Polymorphic DNA (RAPD) Markers. *Plant Archives*, 20(supplement 2), 2333–2337.

Maria, K. W., Manurung, T. F., & Sisillia, L. 2016. Identifikasi Jenis Pohon Famili Dipterocarpaceae Dikawasan Arboretum Sylva Universitas Tanjungpura Pontianak. *Jurnal Hutan Lestari*, 4(4), 527–534.

Purwaningsih, P. 2004. Review: Ecological distribution of Dipterocarpaceae species in Indonesia. *Biodiversitas Journal of Biological Diversity*, 5(2), 89–95.

Qiao, Q., Ye, M., Wu, C., Wang, J., Liu, Q., Tao, J., Zhang, L., & Feng, Z. 2022. Analysis of leaf morphology variation and genetic diversity via SRAP markers for near-threatened plant *Acer truncatum*. *Global Ecology and Conservation*, 33(November 2021). <https://doi.org/10.1016/j.gecco.2021.e01980>

Raya, K. K., Septria, D., M, T. F., & Tavita, G. E. 2018. Keanekaragaman Jenis Pohon Famili Dipterocarpaceae Di Hutan Adat Bukit Benuah Kecamatan Sungai Ambawang Kabupaten Kubu Raya. *Jurnal Hutan Lestari*, 6, 114–122.

Restu, M., Gusmiaty, G., & Larekeng, S. H. 2017. High Outcrossing Rate And Pollen Dispersal Distance Of Bakh. (Ebenaceae) *Diospyros celebica*, An Endemic In Sulawesi Island, Tree Species Indonesia. *Biotropia*, 24(3), 173–181. <https://doi.org/10.11598/btb.201>

Rustam, B.R. 2013. *Taman Hutan Raya (TAHURA) Nipa-Nipa Sulawesi Tenggara*. Pusat Informasi Balai Tahura Nipa-Nipa/Murhum. Kota Kendari. Sulawesi Tenggara.

Rizka, C., Istiqomah, P., Pancasakti, H., & Kusdiyantini, E. (2016). Keragaman Genetik Jahe (*Zingiber officinale Roscoe*) Menggunakan Teknik Penanda Molekuler Random Amplified Polymorphic DNA (RAPD). *Jurnal Biologi*, 5(2), 87–97.

Saranya, D., & Ravi, R. 2018. Genetic Differentiation of *Syzygium aromaticum* Among the Altitudes Of Nilgiris. *Journal of Tree Sciences*, 37(1), 33. <https://doi.org/10.5958/2455-7129.2018.00005.5>

Sousa, A. G. R., Souza, M. M., Melo, C. A. F., & Sodr e, G. A. (2015).

ISSR markers in wild species of *Passiflora* L. (Passifloraceae) as a tool for taxon selection in ornamental breeding. *Genetics and Molecular Research*, 14(4), 18534–18545.
<https://doi.org/10.4238/2015.December.23.41>

Sutrisna, T., Umar, M. R., Suhadiyah, S., & Santosa, S. 2018. Keanekaragaman Dan Komposisi Vegetasi Pohon Pada Kawasan Air Terjun Takapala Dan Lanna Di Kabupaten Gowa Sulawesi Selatan. *Bioma: Jurnal Biologi Makassar*, 3(1), 12–18.
<https://doi.org/10.20956/bioma.v3i1.4258>

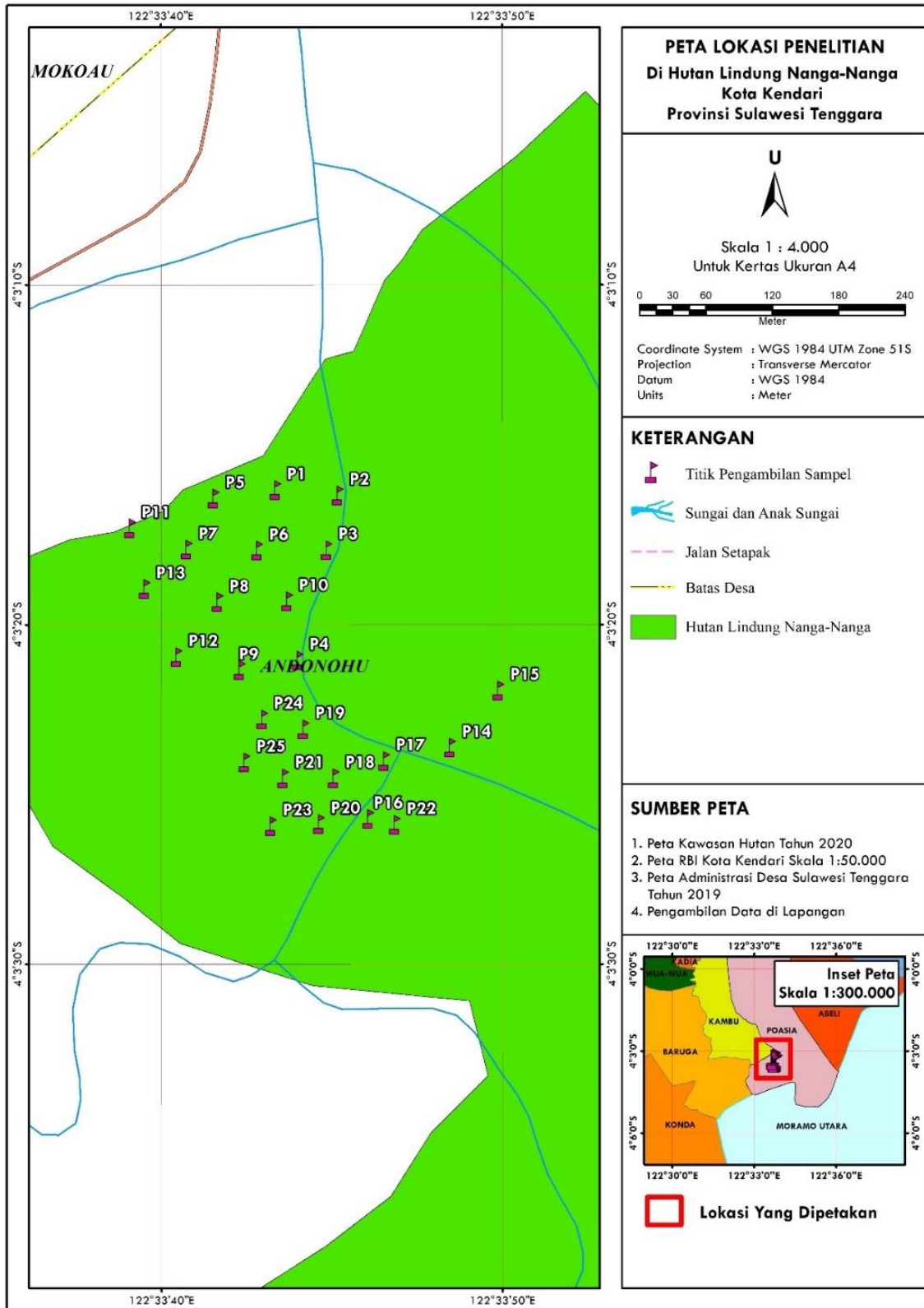
Tuheteru, F. D., Arif, A., Husna, N., Basrudin, N., Albasri, N., Danu, N., & Dinar, N. (2020). The Success of Shoot Cuttings of Pooti (*Hopea gregaria* Slooten) Applying Rootone-F. *Jurnal Perbenihan Tanaman Hutan*, 8(1), 25–32. <https://doi.org/10.20886/bptpth.2020.8.1.25-32>

Turrahmi, M., Nurhidayani, N., Hasyimuddin, H., & Pabendon, M. B. 2021. Uji kualitas dan kuantitas tanaman jewawut (*Setaria italic*) di Balai Penelitian Tanaman Serealia Kabupaten Maros. *Filogeni: Jurnal Mahasiswa Biologi*, 1(2), 57–62.
<https://doi.org/10.24252/filogeni.v1i2.23803>

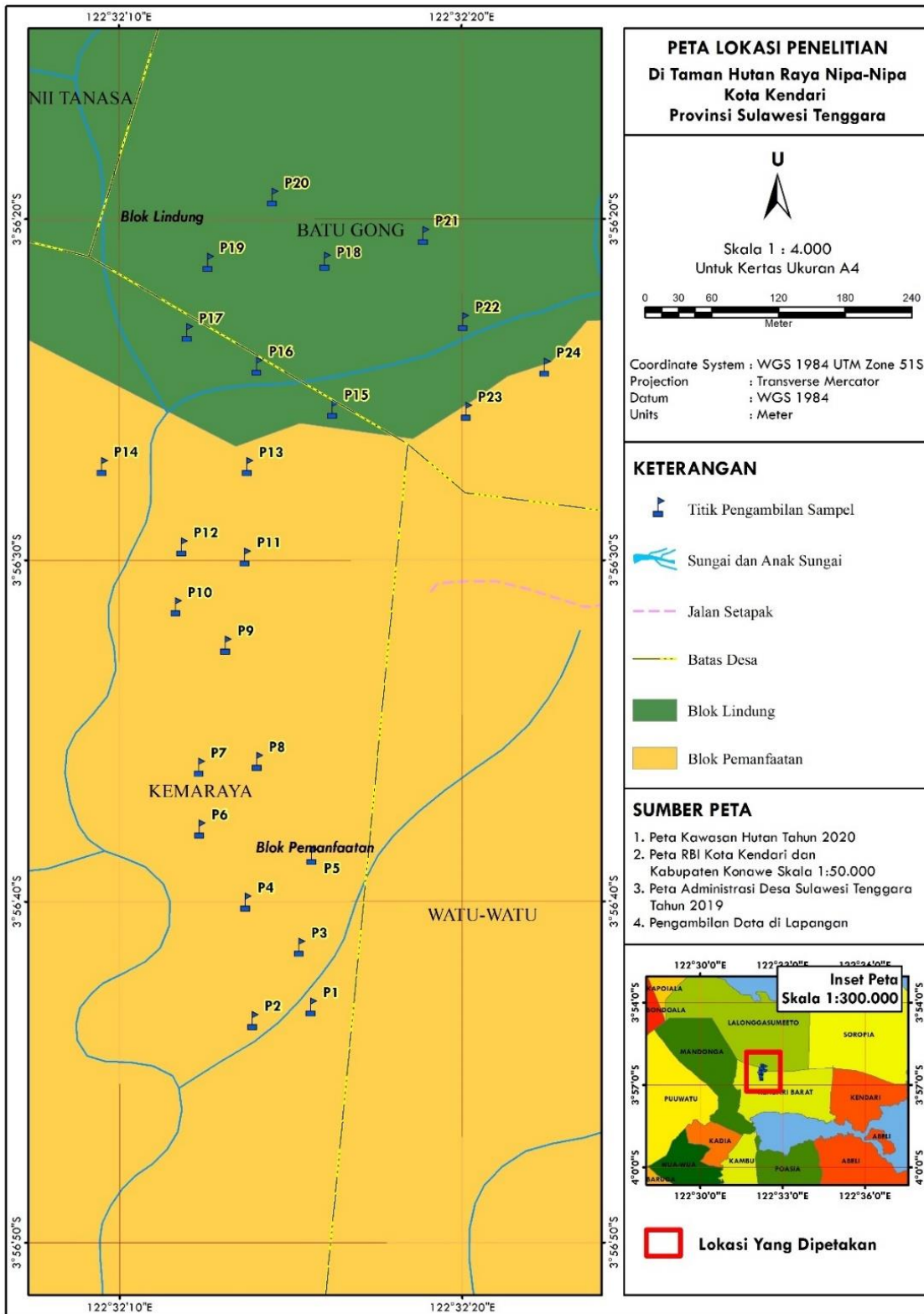
Utami A, Meryalita R, Prihatin NA, Ambarsari L, Kurniatin PA, Nurcholis W. 2012 “Variasi Metode Isolasi DNA Daun Temulawak (*Curcuma xanthorrhiza* Roxb.). Prosiding Seminar Nasional Kimia Unesa : 205-214.

Zulfahmi., (2013). Agroteknologi, S., Pertanian, F., & Peternakan, D. PENANDA DNA UNTUK ANALISIS GENETIK TANAMAN (DNA Markers for Plants Genetic Analysis). In *Jurnal Agroteknologi* (Vol. 3, Issue 2).

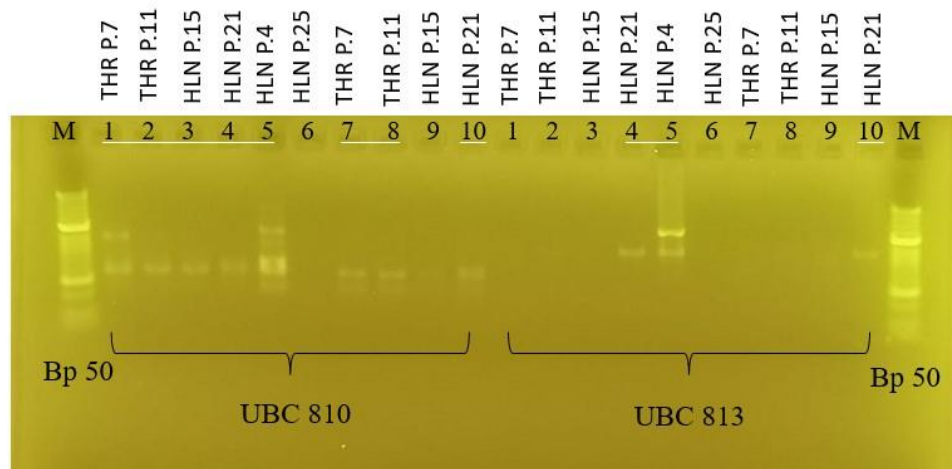
LAMPIRAN



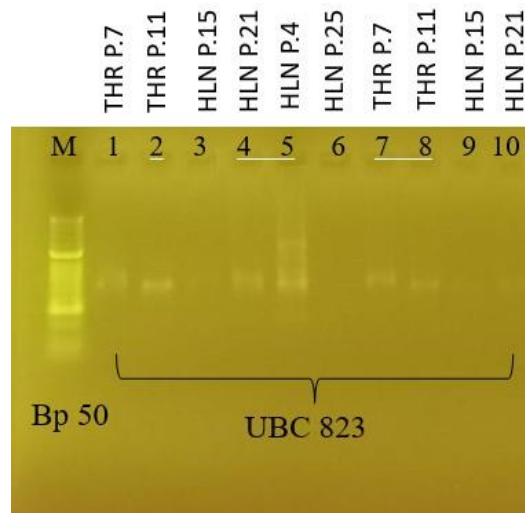
Lampiran 1. Peta Lokasi Penelitian Sebaran Sampel Hutan Lindung Nanga-Nanga



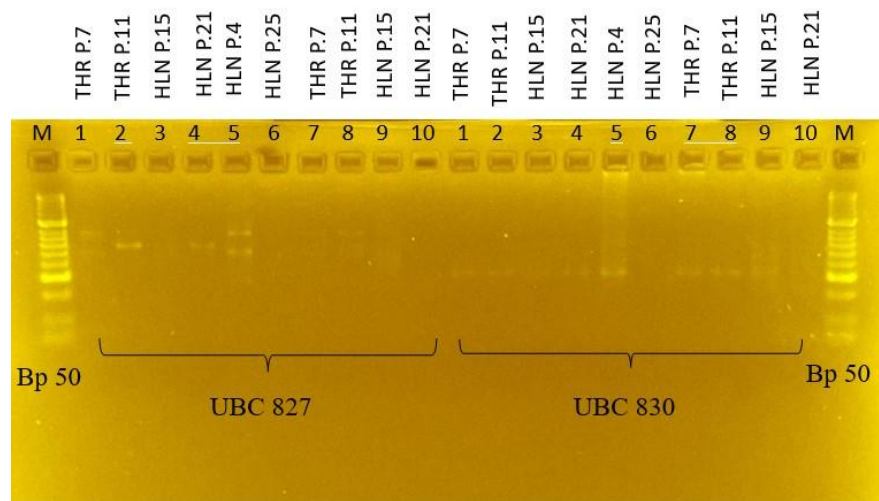
Lampiran 2. Peta Lokasi Penelitian Sebaran Sampel Tahura Nipa-Nipa



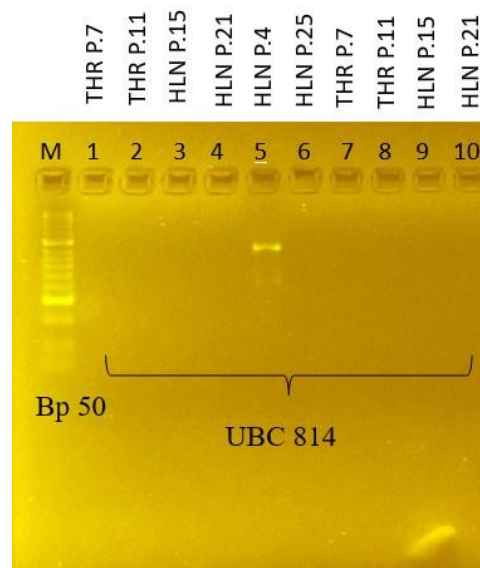
Lampiran 3. Elektroforegram Hasil Amplifikasi PCR Primer UBC 810 dan UBC 813. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)



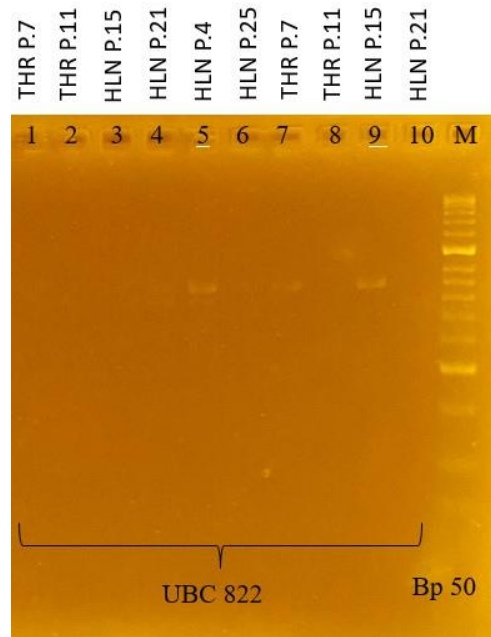
Lampiran 4. Elektroforegram Hasil Amplifikasi PCR Primer UBC 823. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)



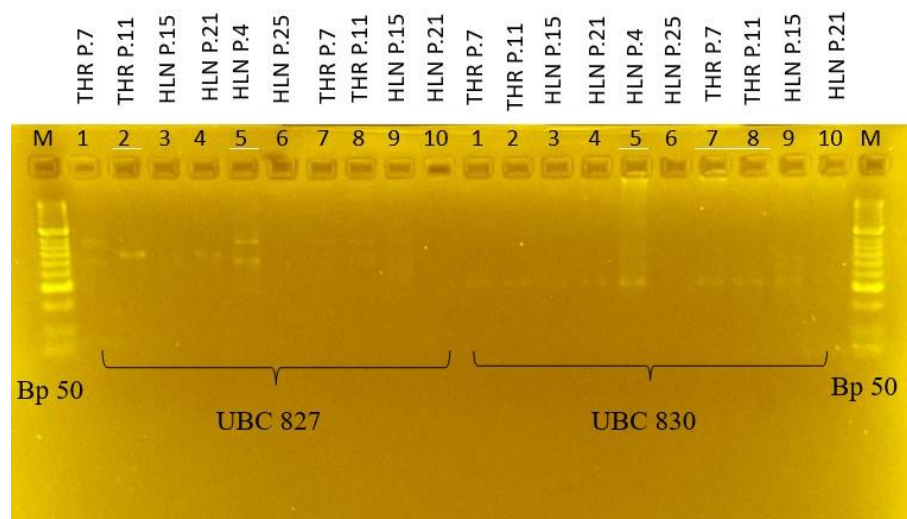
Lampiran 5. Elektroforegram Hasil Amplifikasi PCR Primer UBC 827 dan UBC 830. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)



Lampiran 6. Elektroforegram Hasil Amplifikasi PCR Primer UBC 814. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)



Lampiran 7. Elektroforegram Hasil Amplifikasi PCR Primer UBC 822. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)



Lampiran 8. Elektroforegram Hasil Amplifikasi PCR Primer UBC 827 dan UBC 830. (Keterangan M= Marker, 1-10 Kode Sampel Pooti THR Tahura Nipa-Nipa dan HLN Hutan Lindung Nanga-Nanga)

