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Setiawan Y., Hermawan R., Arief H., Effendi H., Lubis M. I., Permatasari P. A., Handayani L. D. W., 2016 Differences in canopy structure among major plant communities in the fragmented swamp forest of Southern Sumatra. AES Bioflux 8(2):135-147.

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Obemio C. D. G., Tumamac M. C., Gubalane R. B., Labrador C. M. F., Remollo L. L., Roxas P. G., Aljibe M. C., Oconer E. P., 2016 Composition and diversity of floral understory in Mount Matutum Protected Landscape (MMPL), South Cotabato, Philippines. AES Bioflux 8(2):165-172.

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Widiatmaka, Ambarwulan W., Kusmaryandi N., Kusmana C., Kardono P., 2016 Land use, land cover and mangrove diversity in the Indonesian outermost small islands of Rote and nDana. AES Bioflux 8(2):182-193.

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