

Positioning Philippine Palm Oil in Southeast Asia's Renewable Energy Transition

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Biofuel production via palm oil has been of interest in the Southeast Asian energy landscape. Veering away from the dependence on fossil fuels, countries such as the Philippines have been engaged in looking at the energy future through bio-based sources. The palm oil production in the Philippines has taken an expansive role as a potential industry player when it comes to the energy sector. An exploratory study was conducted in the Philippines to characterize the palm oil production in Mindanao, wherein most of the palm oil production occurs. Gas chromatography-flame ionization detection (GC-FID) has shown crude palm oil characteristics among Surigao del Sur, North Cotabato, Bukidnon, and Agusan del Sur sites. The meteorological conditions and the other relevant factors were correlated to determine the cultivation profiles that would ensure production potential. These parameters are instrumental in paving the way in the energy transformative landscape for biofuel production.

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