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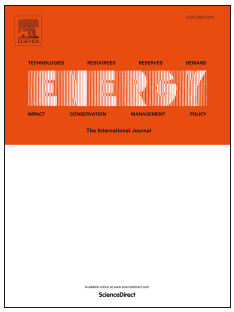

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Environmental load assessment for an integrated design of microalgae system of palm oil mill in Indonesia

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Highlights

- An environmental load assessment for a proposed microalgae culture was conducted
- Palm oil mill effluent and flue gases were used as alternative nutrient sources
- The proposed system increased the energy-profit ratio and lessen GHG emission
- Co-products of animal feed and bio-fertilizer was ensured from defatted biomass