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Techno-economic analysis of biodiesel production from palm oil with supercritical methanol at a low molar ratio

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## ACCEPTED MANUSCRIPT

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21	Abbreviations: SCA, supercritical alcohol; SCM, supercritical methanol; L-SCM, low
22	methanol: oil molar ratio; Alkali-cat, homogeneous alkali-catalyzed process; C-SCM,
23 24	conventional supercritical methanol; NPV, net present value; FFA, free fatty acid; TEA, techno-economic analysis; ASTM, American society for testing and materials; EN, European
24 25	standards; UNIQUAC, universal quasi-chemical; TCI, total capital investment; CEPCI,
26	Chemical Engineering Plant Index: COM total annual cost of manufacturing: DCI direct

Chemical Engineering Plant Index; COM, total annual cost of manufacturing; DCI, direct
capital investment; FMC, fixed manufacturing costs; GE, General expenses; MFC,
Manufacturing cost.

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