

Documents

Nuge, T.^{a b}, Hayyan, A.^{c d}, Elgharbawy, A.A.M.^{e f}, Salleh, H.M.^e, Jun Yong, Y.^c, Kamarudin, A.F.^c, Hizaddin, H.F.^d, Zuhani Hashim, Y.^e, Liu, X.^b, Saleh, J.^g, Ibrahim Daoud, J.^h, Aljohani, A.S.M.ⁱ, Alhumaydhi, F.A.^j, Zulkifli, M.Y.^l, Roslan Mohd Nor, M.^l, Al Abdulmonem, W.^k

Enhanced large-scale production of recombinant phytase in *E. coli* DH5 α : Medium components optimization and thermodynamic studies

(2023) *Journal of Molecular Liquids*, 370, art. no. 120965, . Cited 1 time.

DOI: 10.1016/j.molliq.2022.120965

^a Center of Innovative Nanostructure & Nanodevices (COINN), Universiti Teknologi PETRONAS, 32610 Seri Iskandar, Perak, Malaysia

^b Department of Mechanical, Material and Manufacturing Engineering, Faculty of Science and Engineering, University of Nottingham, Ningbo, China

^c Department of Chemical Engineering, Faculty of Engineering, Universiti Malaya, Kuala Lumpur, 50603, Malaysia

^d Centre for Separation Science & Technology (CSST), Faculty of Engineering, Universiti Malaya, Kuala Lumpur, 50603, Malaysia

^e International Institute for Halal Research and Training (INHART), International Islamic University Malaysia, Kuala Lumpur, 50728, Malaysia

^f Bioenvironmental Engineering Research Centre (BERC), Department of Biotechnology Engineering, Faculty of Engineering, International Islamic University Malaysia (IIUM), Kuala Lumpur, Malaysia

^g Chemical Engineering Department, King Saud University, P.O. Box 800, Riyadh, 11421, Saudi Arabia

^h Department of Science in Engineering, Faculty of Engineering, International Islamic University Malaysia, P.O. Box 10, Kuala Lumpur, 50728, Malaysia

ⁱ Department of Veterinary Medicine, College of Agriculture and Veterinary Medicine, Qassim University, Buraydah, Saudi Arabia

^j Department of Medical Laboratories, College of Applied Medical Sciences, Qassim University, Buraydah, 51452, Saudi Arabia

^k Department of Pathology, College of Medicine, Qassim University, Buraydah, 51452, Saudi Arabia

^l Halal Research Group, Academy of Islamic Studies, Universiti Malaya, Kuala Lumpur, 50603, Malaysia

Correspondence Address

Hayyan A.; Department of Chemical Engineering, Malaysia; email: adeeb.hayyan@yahoo.com

Publisher: Elsevier B.V.

ISSN: 01677322

CODEN: JMLID

Language of Original Document: English

Abbreviated Source Title: J Mol Liq

2-s2.0-85144440944

Document Type: Article

Publication Stage: Final

Source: Scopus