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Fathi M. Abdullah, M.H. Loke, Mohd Nawawi, Khiruddin Abdullah

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## **ACCEPTED MANUSCRIPT**

Assessing the reliability and performance of optimized and conventional resistivity arrays for shallow subsurface investigations

Fathi M. Abdullah<sup>1,3\*</sup>, M. H. Loke<sup>2</sup>, Mohd Nawawi<sup>1</sup> and Khiruddin Abdullah<sup>1</sup>

<sup>1</sup>Geophysics Section, School of Physics, Universiti Sains Malaysia, 11800 Penang, Malaysia.

<sup>2</sup>GeotomoSoftware, 115 Cangkat Minden Jalan 5, Minden Heights, 11700 Gelugor, Penang, Malaysia.

<sup>3</sup>Geology Department, Faculty of Applied Science, Taiz University, 6803 Taiz, Yemen

\*Corresponding author: E-mail: fms\_202@yahoo.com (Fathi M. Abdullah)

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