LATERITE SOIL

Physical Stabilization by Extended Compaction

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Preface

Alhamdulillah, all praises to Allah s.w.t for allowing us to successfully complete a book in the form of scientific information named "Laterite Soil: Physical Stabilization by Extended Compaction." This book has been effectively made with the highest quality facts from PhD thesis entitle "Properties of Physically Stabilized Granitic Laterite Soil". Through a mature writing style in the elucidation of facts and good conversation, Insyallah this book is able to draw readers from all walks of life, whether students, industry, or government. This book's information is extremely relevant and beneficial for use as reference and guidance material, particularly for individuals actively involved in the geotechnical profession in this country. Hopefully, with a little effort in sharing the existing experience and expertise, it can be utilised as a reference to individuals who are interested in geotechnical empowerment optimally.

Laterite soil has unique properties and characterized by iron and aluminum oxides, clay minerals, and an intricate particle structure, make them a compelling subject of application. We embark on a journey into the fascinating world of laterite soils, guided by the principles of physical stabilization through extended compaction. We invite you to explore, learn, and innovate as we unravel the mysteries of laterite soil together. The publication of this book is funded by Universiti Kebangsaan Malaysia through the Book Publication Fund (DPB) DPB-2024-006. Apart from that, it is also stated that all the information and technical facts stated in this book are an extension of the GGPM-2023-025 research grant. On this occasion, we would like to thank our family and publisher of UKM, for successfully publishing this book as part of the country's scientific assets.

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