

Certificate ID : BDBT-II-22-ATI-4208830174

ENGINEERING ACADEMY

Powered by Anak Teknik Indonesia

CERTIFICATE OF COMPLETION

This certificate is proudly presented to

Riky rianto

**Has successfully completed short course of
BASIC DRILL & BLAST TECHNIQUE PADA PERTAMBANGAN**

Delivered by Raden Haris Handayana & Jerri Mapanta

(Deputy GM Technical Services & Supporting sr. Manager)

2 days training on 29 & 30 January 2022

Total duration 300 minutes (5 hours)

Published on
February 13, 2022

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Arkastra Bhrevijana
CEO Anak Teknik Indonesia



Certificate
Validation



List of learning modules short course of **BASIC DRILL & BLAST TECHNIQUE PADA PERTAMBANGAN**

NIK INDONESIA • ANAK TEKNIK INDONESIA • ANAK TEKNIK INDONESIA • ANAK TEKNIK INDONESIA • ANAK TEKNIK INDONESIA • ANAK TEKNIK INDONESIA • ANAK TEKNIK IN

- Drilling Methods
 - Perbandingan Drilling System
 - Drilling Requirement
 - Time Categorization
 - Drilling Performance
 - Case Study
- Definisi & Evolusi Bahan Peledak
 - Keys To Efficient Blast Design
 - Approach To Achieving Optimum Blast Efficiency
 - Rock Mass Characteristic
 - Geological Effects
 - Basic Drill/Blast Design
 - Timing Design/Delay
 - Electronic Detonator
 - Ground Response Analysis
 - Case Study