

SHORT CV



Name : Dr.-Ing. Andika Widya Pramono, M.Sc
Place/Date of Birth : Jakarta/March 13, 1970
Job Position : Director of Research Center for Metallurgy and Materials
(RCMM) – Indonesian Institute of Sciences (LIPI)
Core Competence : Physical Metallurgy and Composite Materials
Education :
 Bachelor : Materials Science and Engineering from Wayne State University –
 Detroit, Michigan USA (1992). Final project: Powder Metallurgy of
 Al₂Ti Intermetallics (Part 1)
 Master : Materials Science and Engineering from Wayne State University –
 Detroit, Michigan USA (1993). Final project: Powder Metallurgy of
 Al₂Ti Intermetallics (Part 2)
 PhD : Materials Science and Engineering from Rheinisch-Westfaelische
 Technische Hochschule (RWTH) – Aachen, Germany (2000).
 Dissertation: **Quantitative Analysis of the Thermomechanical Properties
 of Cu-18wt%Nb in-situ Metal Matrix Composite Wire and the Cahn-
 Hilliard Simulation of Its Thermal Phase Evolution**
Web sites : www.metalurgi.lipi.go.id (RCMM LIPI)
 www.lipi.go.id (LIPI)

Executive Summary of the Presentation:

RCMM LIPI is a government scientific institution in Indonesia that has a mission to give added values to the Indonesia's natural resources through innovations in research, development, and engineering in the field of metallurgy and materials. RCMM LIPI brings forward four (4) main issues of R&D activities in the field of metallurgy and materials, namely: (1) development of high strength steels based on nickel-lateritic mineral resources instead of iron ores, (2) development of biocompatible implant materials (Co-Cr alloy, Ti-alloy, Mg-alloy, additive manufacturing), (3) development of materials for energy industries (including superconducting materials), and (4) added values of minerals nickels, tin, and dolomites. The presentation also gives some insights about the country of Indonesia.