

# The Optimization Production of SMEs Based on Ergonomics Perspective

**Anang Ramadhan Feri Pratama, Kukuh Lukiyanto, R. Aditya Kristamtomo Putra, and  
Agung Purnomo**

Entrepreneurship Department  
BINUS Business School Undergraduate Program  
Bina Nusantara University  
Jakarta 11480, Indonesia

anang.pratama@binus.ac.id, kukuh.lukiyanto@binus.ac.id, aditya.putra@binus.edu, agung.purnomo@binus.ac.id

## Abstract

The implementation of ergonomics in SMEs is very crucial. Through the application of ergonomics, it has an impact especially on the productivity of SMEs. The purpose of this study was to review the current ergonomic problems in the scope of SMEs and further strategies to improve ergonomics implementation. This research was conducted using a qualitative phenomenological method, by conducting semi-structured interviews with industry players and workers in the SMEs. The results of the research conducted indicate that the problems that arise related to ergonomics in the SMEs industry include disturbances of movement equipment, comfort, body position, existing production quantities, and repetition of disturbances due to body position. And, there were motives for business actors to improve the implementation of ergonomics.

## Keywords

ergonomics, movement disorders, productivity, production quantity, SMEs.

## Acknowledgments

This work is supported by Bina Nusantara University, Indonesia.

## Biographies

**Anang Ramadhan Feri Pratama** is a junior researcher of the Entrepreneurship Department, BINUS Business School Undergraduate Program at the Bina Nusantara University, Malang Campus, Malang, Indonesia.

**Kukuh Lukiyanto** is an Assistant Professor and faculty member of the Entrepreneurship Department, BINUS Business School Undergraduate Program at the Bina Nusantara University, Malang Campus, Malang, Indonesia. He earned a Bachelor of Engineering from Brawijaya University, Indonesia; a Master of Management from Narotama University, Indonesia; a Master of Engineering from Universitas 17 Agustus 1945 Surabaya, Indonesia; and a Ph.D. in Management Science from Brawijaya University, Indonesia. Mr. Kukuh has published several journals and conference papers.

**R. Aditya Kristamtomo Putra** is a researcher and faculty member of the Entrepreneurship Department, BINUS Business School Undergraduate Program at the Bina Nusantara University, Malang Campus, Malang, Indonesia. He earned a Bachelor of Engineering from Institut Teknologi Sains Bandung, Indonesia; a Master of Management from Universitas Padjadjaran, Indonesia; and a Ph.D. in Management Science from Universitas Pendidikan Indonesia, Indonesia.

**Agung Purnomo** is a researcher and faculty member of the Entrepreneurship Department, BINUS Business School Undergraduate Program at the Bina Nusantara University, Malang Campus, Malang, Indonesia. He earned a Bachelor of Agriculture in Horticulture from Brawijaya University, Indonesia; and a Master of Business Administration in Creative and Cultural Entrepreneurship from Institut Teknologi Bandung, Indonesia. Mr. Agung is currently pursuing a Ph.D. in Management Science at Universitas Airlangga, Indonesia. He has published several journals and conference papers using bibliometric methods in collaboration with multidisciplinary researchers.