



MANUFACTURING SYSTEMS RESEARCH GROUP  
INSTITUT TEKNOLOGI BANDUNG



## CERTIFICATE OF PARTICIPATION

Number: 623/IT1.C07.5.6/IX/2021

This is to certify that

**IR. VERA NOVA LUMBAN RAJA, M.T.**

has participated in the webinar series

**PRODUCTION PLANNING AND CONTROL: ISSUE AND RESEARCH TOPICS**

Session 4 (1hr):

**Research on Scheduling for Single Batch Processor (Part I)**

delivered by Dr. Ir. Nita P. A. Hidayat, MT.

Bandung, 23 September 2021

Chairman of MSRG – ITB

  
Dr. Ir. Iwan Inrawan Wiratmadja

In collaboration with:



Nomor :0066 /APTISI.III/XI/2021



# SERTIFIKAT

diberikan kepada

**Ir.Vera Nova Lumban Raja,MT.**

Sebagai Peserta

Dalam kegiatan Lokakarya Nasional dengan tema  
"IMPLEMENTASI KURIKULUM DI PERGURUAN TINGGI DALAM PROGRAM MBKM"  
diselenggarakan secara daring oleh Asosiasi Perguruan Tinggi Swasta Indonesia  
(APTISI) Wilayah III DKI Jakarta Hari Rabu, 24 November 2021



Prof. Dr. Ir. Raihan, M.Si  
Sekretaris



# SERTIFIKAT

DIBERIKAN KEPADA

**VERA NOVA L. RAJA**

ATAS PARTISIPASINYA SEBAGAI

## PESERTA

dalam Seminar Asosiasi Sistem Manajemen

Kiat Sukses Mengembangkan  
Metodologi Penelitian

26 MARET 2021

KETUA UMUM  
ASOSIASI SISTEM MANAJEMEN



DR. IR. BUDHI PRIHARTONO, DEA



MANUFACTURING SYSTEMS RESEARCH GROUP  
INSTITUT TEKNOLOGI BANDUNG



## CERTIFICATE OF PARTICIPATION

Number: 742/IT1.C07.5.6/X/2021

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**IR. VERA NOVA LUMBAN RAJA, M.T.**

has participated in the webinar series

**PRODUCTION PLANNING AND CONTROL: ISSUE AND RESEARCH TOPICS**

Session 5 (1hr 30 minutes):

**A Single Manufacturer – A Single Buyer Partnership with Vendor Managed  
Inventory and Consignment**

delivered by Dr. Ir. Docki Saraswati, MEng

Bandung, 08 October 2021

Chairman of MSRG – ITB

Dr. Ir. Iwan Inrawan Wiratmaja

In collaboration with:



Real: Teknik Industri

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MANUFACTURING SYSTEMS RESEARCH GROUP  
INSTITUT TEKNOLOGI BANDUNG



## CERTIFICATE OF PARTICIPATION

Number: 969/IT1.C07.5.6/XI/2021

This is to certify that

**IR. VERA NOVA L RAJA, M.T.**

has participated in the webinar series

**PRODUCTION PLANNING AND CONTROL: ISSUE AND RESEARCH TOPICS**

Session 7 (1hr 30 minutes):

**A Production Rescheduling Model Considering Cutting Tool Lifetime and  
Failure for Flexible Manufacturing Systems**  
delivered by Dr. Ir. Ari Setiawan, MT

Bandung, 5 November 2021

Chairman of MSRG – ITB

Dr. Ir. Iwan Inrawan Wiratmadja

In collaboration with:

