



MENJAGA KUALITAS PENDIDIKAN DI TENGAH PENDEMI COVID-19: ANTARA ASA DAN REALITA

PROF. DR. IR. AMBAR RUKMINI, M.P.

Guru Besar Program Studi Teknologi Pangan
Dekan Fakultas Sains dan Teknologi
Universitas Widya Mataram

PRESIDEN MENETAPKAN BENCANA NONALAM PENYEBARAN CORONA VIRUS DISEASE 2019 (COVID-19) SEBAGAI BENCANA NASIONAL



TIDAK ADA ALASAN

SEBAGAI DOSEN HARUS SENANTIASA TETAP BERAKTIFITAS
MESKIPUN WABAH COVID-19 MELANDATANA H AIR.
PELAKSANAAN TRI DHARMA PERGURUAN TINGGI TETAP DAPAT
DILAKSANAKAN DARI RUMAH DAN LINGKUNGAN SEKITAR
DENGAN TETAP MENERAPKAN PHYSICAL DISTANCING DAN
STANDAR KEBERSIHAN SESUAI DENGAN ANJURAN
PEMERINTAH

COVID-19 tidak membuat kita gabut

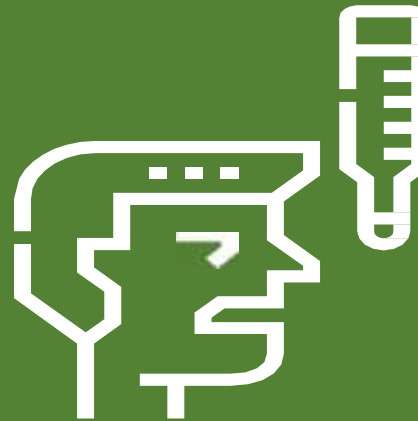


Tri Dharma Perguruan Tinggi



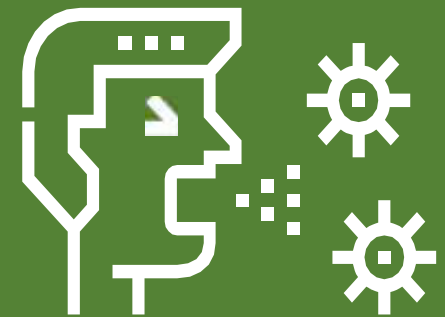
PENDIDIKAN

Memberi kuliah dan praktikum dalam kondisi wabah Covid-19 via daring



PENELITIAN

Melakukan kegiatan penelitian terkait dengan masalah Covid-19



PENGABDIAN KEPADA MASYARAKAT

Melakukan kegiatan pengabdian kepada masyarakat terkait masalah Covid-19

Penelitian tentang Kuliah Daring dan Hybrid Learning



Results X Hasil Cari Yahoo Search Result X Google Translate X Tab Baru X Hasil Cari Yahoo Search Result X ERIC Search Results X

https://eric.ed.gov/?q=online+learning+thinking

ERIC

AUTHOR

Srinivasan, Michael, Ed.	17
Jacobs, George M.	10
Ludell, Jerry L. Jr.	9
Munangchalom, Rosari	7
Gard, Julie	6
Crawford, Margaret, Ed.	6
Kardubacak, Gelsen	6
Mottley, Leah P. Ed.	6
Ruh, Andrew D.	5
Annamalai, Nagasethimoc	4
Bower, Nati	4

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PUBLICATION TYPE

Journal Articles	1619
Reports - Research	1135
Reports - Descriptive	104
Reports - Evaluative	220
Speeches/Meeting Papers	205
Dissertations/Theses	194
Tests/Questionnaires	144
Books	100
Collection Works - Proceedings	90
Collection Works - General	71
Information Analyses	56

[More](#)

EDUCATION LEVEL

Higher Education	1173
Postsecondary Education	758
Secondary Education	272
Elementary Education	148
Elementary/Secondary Education	154
High Schools	196
Middle Schools	120

Student-Inspired Optimal Design of Online Learning for Generation Z
Yu, Huiyu - *Journal of Educators Online*, 2021

This article identifies factors that help Generation Z students succeed in a fully online learning environment for communication skills. Out of a diverse number of learner characteristics, the learners' home institutions significantly impacted their preference for instructional delivery modality. The participants described a flexible schedule and...

Descriptors: Electronic Learning, Age Groups, Online Courses, Remote Learning

Open Educational Resources Based Online Tutorial Model for Developing Critical Thinking of Higher Distance Education Students
Rahayu, Ucu, Supriati, Amelia - *Turkish Online Journal of Distance Education*, 2018

This paper aims to develop a prototype of learning for the achievement of critical thinking skills of Higher Distance Education students through the utilization of open educational resources (OER). It is based on a research and development project conducted from September 2013 until April 2014 at Universitas Jember (UJ), the Indonesian Open...

Descriptors: Critical Thinking, Distance Education, Thinking Skills, Educational Resources

Fostering Critical Thinking Skills in Students with Learning Disabilities through Online Problem-Based Learning
Flynn, Kathleen - *International Association for Development of the Information Society*, 2014

As a pedagogical approach, problem based learning (PBL) has shown success for average and gifted students (Hmelo-Silver, 2004) and there are numerous incentives for its implementation in online learning environments (David-Nadon, 2007; Chernobirsky, Nagarajan, & Hmelo-Silver, 2005). However, little research has been conducted regarding the

Descriptors: Critical Thinking, Thinking Skills, Learning Disabilities, Problem Solving

Epistemic Thinking in Action: Evaluating and Integrating Online Sources
Dorziat, Sami, Zohar, Anat - *Cognition and Instruction*, 2012

This study examines epistemic thinking in action in order to shed light on the relation between students' personal epistemologies and their online learning practices. The study is based on observations of the learning behaviors of 6th grade students ($n = 38$) during two online inquiry tasks. Data were collected through think aloud protocols and

Descriptors: Electronic Learning, Protocol Analysis, Online Courses, Learning Strategies

Conceptualisations of Infinity by Primary Pre-Service Teachers
Hato-Huatablo, Elizabeth, Cavanagh, Michael, Goady, Carmel, Hasey, Michael - *Mathematics Education Research Journal*, 2018

As part of the Opening Real Science, Authentic Mathematics and Science Education for Australia project, an

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Penelitian tentang Kuliah Daring dan Hybrid Learning



Research results from a search on ERIC (https://eric.ed.gov/?q=online+thinking+skills) showing various articles related to online learning and critical thinking skills.

AUTHOR

Author	Count
Jacobs, George M.	9
Huelsen, Jerry L., Jr.	7
Kurumakar, Gagan	7
Emmerson, Michael, Ed.	7
McGraw, Josh D., Ed.	5
Rain, Audrey C.	5
Sahni, Mehmet	5
Crawford, Margaret, Ed.	4
Lu, Leong Kwen	4
Debbins, Deb, Ed.	4
Savits, Pedro, Ed.	4

PUBLICATION TYPE

Publication Type	Count
Journal Articles	1181
Reports - Research	860
Reports - Descriptive	424
Reports - Evaluative	186
Speeches/Meeting Papers	149
Dissertations/Theses -	108
Tests/Questionnaires	93
Books	65
Collected Works - Proceedings	63
Information Analyses	49
Guides - Classroom - Teacher	46

EDUCATION LEVEL

Education Level	Count
Higher Education	727
Postsecondary Education	476
Secondary Education	237
Elementary Education	168
Elementary/Secondary Education	145
High Schools	132
Middle Schools	116

Adult Science-Based Learning: The Intersection of Digital, Science, and Information Literacies
Bliss, Angela Collier - Adult Learning, 2019
In today's learning environment, adult learners conduct learning episodes on the Internet meaning they are now expected to approach a self-directed science-based learning endeavor with knowledge of digital tools (digital literacy), knowledge of the science content (science literacy), and critical thinking skills to evaluate online resources...
Descriptors: Leaders, Transfer of Training, Skill Development, Foreign Countries

Online Interaction in Social Learning Environment towards Critical Thinking Skill: A Framework
Hussin, Wan Nur Izzah Wan, Harun, Jamaludin; Shukor, Nurulha A. - Journal of Technology and Science Education, 2019
Interaction is one of the crucial processes in online learning, which is a process derived from a common encouragement among people action that they able to utilize, store, share and construct knowledge. It is believed that the interaction among students is able to train the students to involve in active learning and enhance critical thinking...
Descriptors: Critical Thinking, Interaction, Electronic Learning, Thinking Skills

Student-Inspired Optimal Design of Online Learning for Generation Z
Yu, Eunyu - Journal of Educators Online, 2020
This article identifies factors that help Generation Z students succeed in a fully online learning environment for communication skills. Out of a diverse number of learner characteristics, the learners' home institutions significantly impacted their preference for instructional delivery modality. The participants described a flexible schedule and...
Descriptors: Electronic Learning, Age Groups, Online Courses, Blended Learning

Development of Critical Thinking Skills and Intercultural Awareness in Bilingual Telecollaborative Projects
Vurden, Ruby; Puranen, Pasi - Research-publishing.net, 2018
This reflective practice will examine and report on students' experiences of three different bilingual (English-Spanish) task-based telecollaborative projects. The observations indicate that throughout these different projects the students were able to develop their intercultural awareness and their critical thinking skills via different online...
Descriptors: Critical Thinking, Thinking Skills, Cultural Awareness, Bilingualism

Concentrating on Affective Feedforward in Online Tutoring

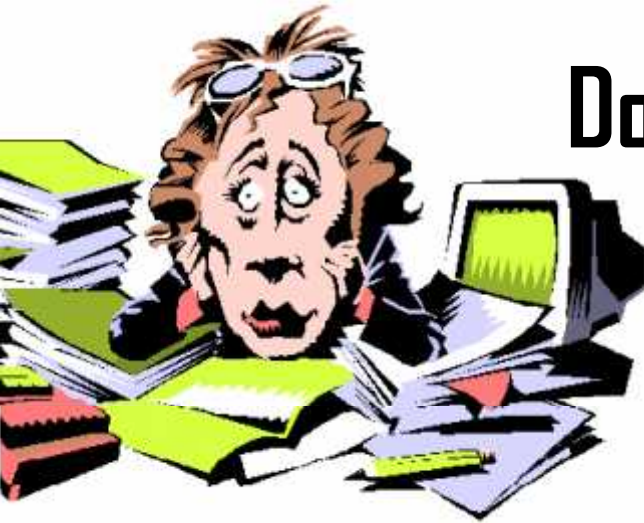
Tiba-tiba



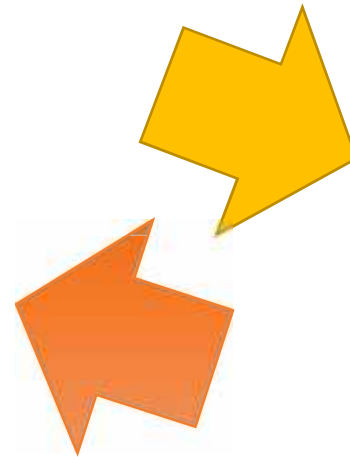
WFH

SFH

SFH Daring...



Dosen



Mahasiswa



SFH Daring...

Kualitas

daring = luring



Pendampingan
Beban belajar
Akses
Kuota/dana



Sistem Penjaminan Mutu



Lesson Learned



- Pembelajaran daring, dengan menggunakan saluran apapun, perlu direncanakan dengan cermat
 - Cek CP MK yang paling esensial
 - Pilih aktivitas belajar mahasiswa yang paling memungkinkan → modifikasi RPS/RPP sehingga sesuai untuk Daring
 - Rumuskan "task"-nya (perintah kinerja)
 - Upayakan "flip-learning". Atau paling tidak, ada penugasan dengan proporsi "kuota" yang wajar

Lesson Learned



- Pelaksanaan pembelajaran:
 - Upayakan fase pembelajaran terjaga: Pendahuluan, Inti, Penutup (bisa ini untuk beberapa pertemuan)
 - Dampingi secara online → WAG
 - Gunakan teknik *scaffolding* (bantu seperlunya, lepas perlahan)
 - Lakukan asesmen untuk memberikan umpan balik yang tepat
- Apa platform yang tepat untuk asesmen?
 - SIMAK belum menyediakan fasilitas dan kadang perlu waktu lama untuk login.
 - Sejauh ini, yang paling nyaman: Google Classroom (ada fitur batas akhir tugas, ada grading, dan file langsung link dengan Google Drive.
 - UAS → Google form
 - Umpan balik ... Umpan balik... Ini sangat penting

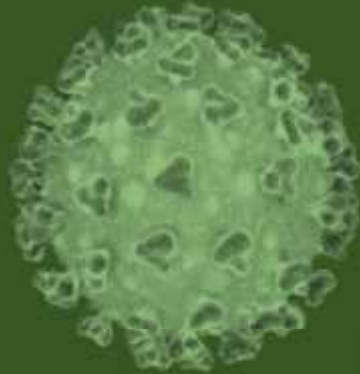
Apa “bukti” untuk keperluan Penjaminan Mutu?

- Gunakan SIMAK. Maka, semua bukti pelaksanaan daring (RPS, bahan ajar, pembelajaran tatap muka daring, tugas, hasil tugas, *grading*, umpan balik)
- Untuk platform lain: bukti pelaksanaan pembelajaran (misal unggah bahan ajar, diskusi, tugas, dan umpan balik)
- Bisa jadi menggunakan platform yang berbeda-beda, misal: upload video penggunaan aplikasi di youtube, diskusi di youtube dan WAG, Unggah hasil tugas kinerja, *grading*, dan umpan balik di Google Classroom → semua ada “jejak digital”

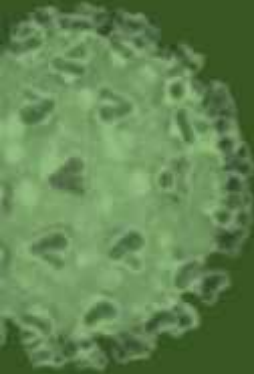




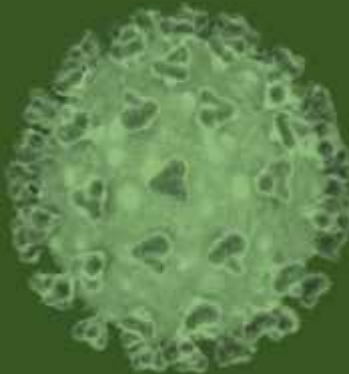
PENDANAAN PENELITIAN



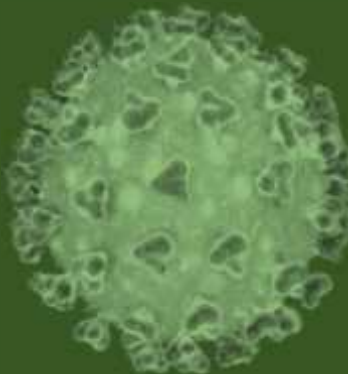
Pemerintah



Dana
Perguruan
Tinggi



CSR
Perusahaan



Luar Negeri

Tema

Jangka Pendek

1. **Chamber/Gate Sanitizer**
2. **Test Kit**
Pengembangan Rapid Test (Alih Teknologi)
3. **Public Health Modelling**
Aplikasi Visualisasi Sebaran, Aplikasi Deteksi Gangguan Psikologis, Dashboard Kerentanan Wilayah, dsb
4. **Social Humaniora dan Systematic Review**
Rekomendasi Kebijakan, Cost-effectiveness Analysis, Rapid Assessment, dsb
5. **Ventilator**
6. **Hand Sanitizer, Alat Cuci Publik**
7. **Mobile Rapid test covid laboratory**



Jangka Menengah

1. **Diagnosis (Test Kit, IgG IgM)**
Rapid Test, Early Screening System, dsb
2. **PCR Sequencing**
Whole genome sequencing, Pengembangan Quick and Direct Detection, dsb
3. **Pengembangan Alat Pelindung Diri**
Pengembangan APD (N95, Hand Gloves, Cap, Lab Coat), Mobile Ventilator Low Cost, Rancangan Material Kain Re-usable, dsb
4. **Obat-obatan**
Sintesis Kanditas Obat (Docking), Kandidat Immunodulator, Potensi Obat Herbal, dsb
5. **Suplemen dan Multivitamin**
Pengembangan Suplemen Jambu Biji, dsb
6. **Public Health Modelling**
7. **Lainnya**

ema

► Jangka Panjang

. Vaksin

Pengembangan Vaksin Covid-19 (LBM Eijkman)



. Social Humaniora

Analisis Mitigasi Penyebaran Covid-19

. Lainnya

- Service Robot for Highly Infectious Inpatient Room
- Smart Infusion Pumps for Drug Deliveries: Case for Covid-19 Patient
- Unmanned Ground Vehicle Ultraviolet – Like Bacteria Killer





Dosen perlu pengabdian kepada masyarakat



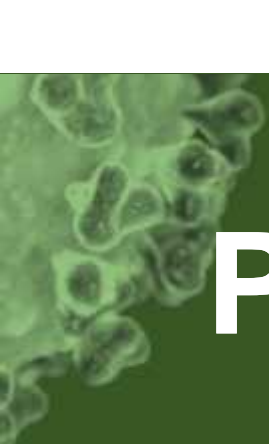
Pasal 20 Ayat (2) UU Nomor 20 Tahun 2003 tentang Sisdiknas : PT berkewajiban menyelenggarakan Tridharma PT
Pasal 60 huruf a UU Nomor 14



Tahun 2005 tentang Guru dan Dosen : dalam melaksanakan tugas keprofesionalan, dosen berkewajiban melaksanakan Tridharma.



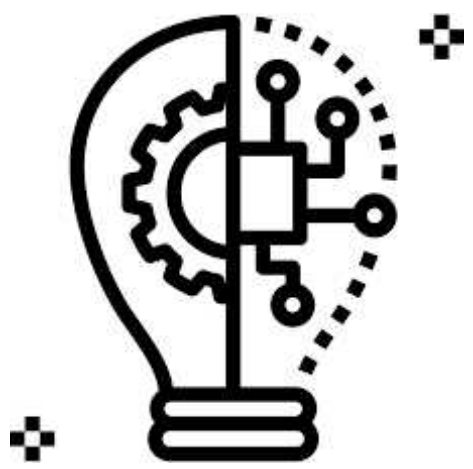
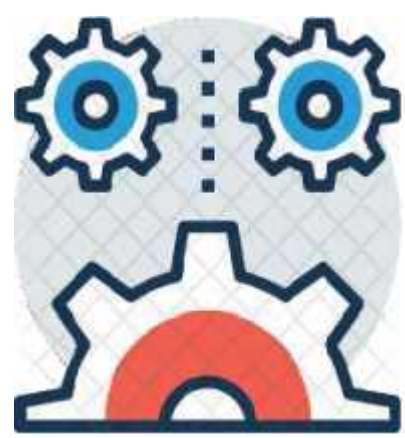
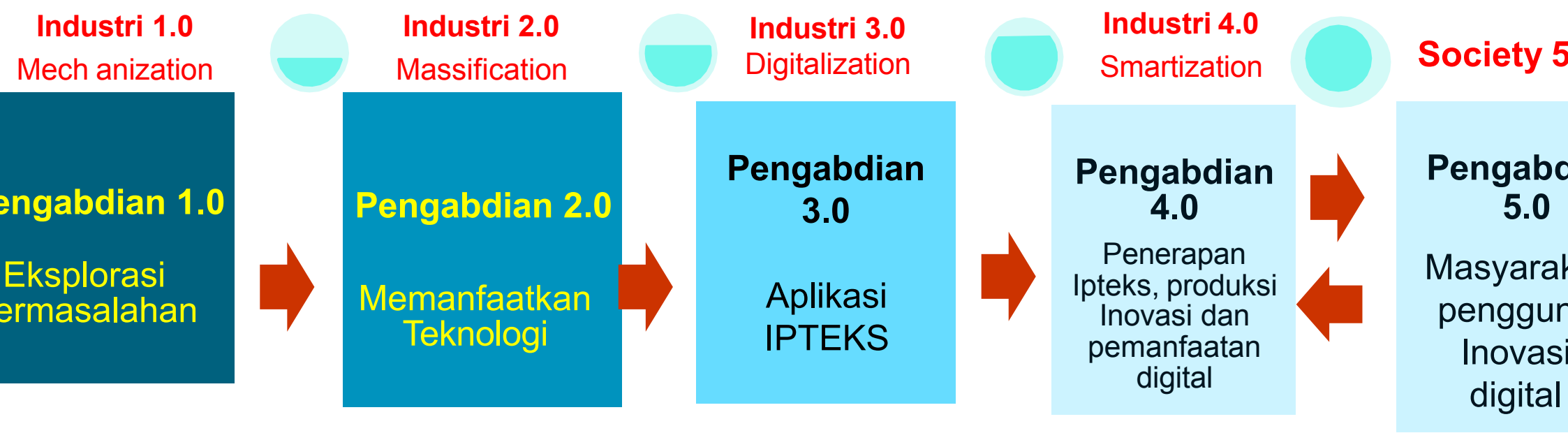
Pengabdian kepada masyarakat memiliki posisi yang sama penting dengan dua dharma lainnya, yaitu pendidikan dan penelitian.



Pemberdayaan masyarakat

Pemberdayaan masyarakat dalam pencegahan COVID-19 adalah segala upaya yang dilakukan oleh seluruh komponen masyarakat dengan menggali potensi yang dimiliki masyarakat agar berdaya dan mampu berperan serta mencegah penularan Covid-19.

Revolusi Pengabdian



PERAN DOSEN DALAM PENGABDIAN ERA COVID

1

Pembentukan Gugus Tugas
RT/RW/Desa/Kec/Pemda

2

Pembentukan Posko Covid di
Perguruan Tinggi

3

Dosen Pembimbing Lapangan
KKN

4

Relawan Kesehatan di
Puskesmas dan Rumah sakit

5

Pembina UKM yang terdampak
Covid

6

Produksi barang terkait Covid

7

Pemberian materi rohani terkait
Covid

8

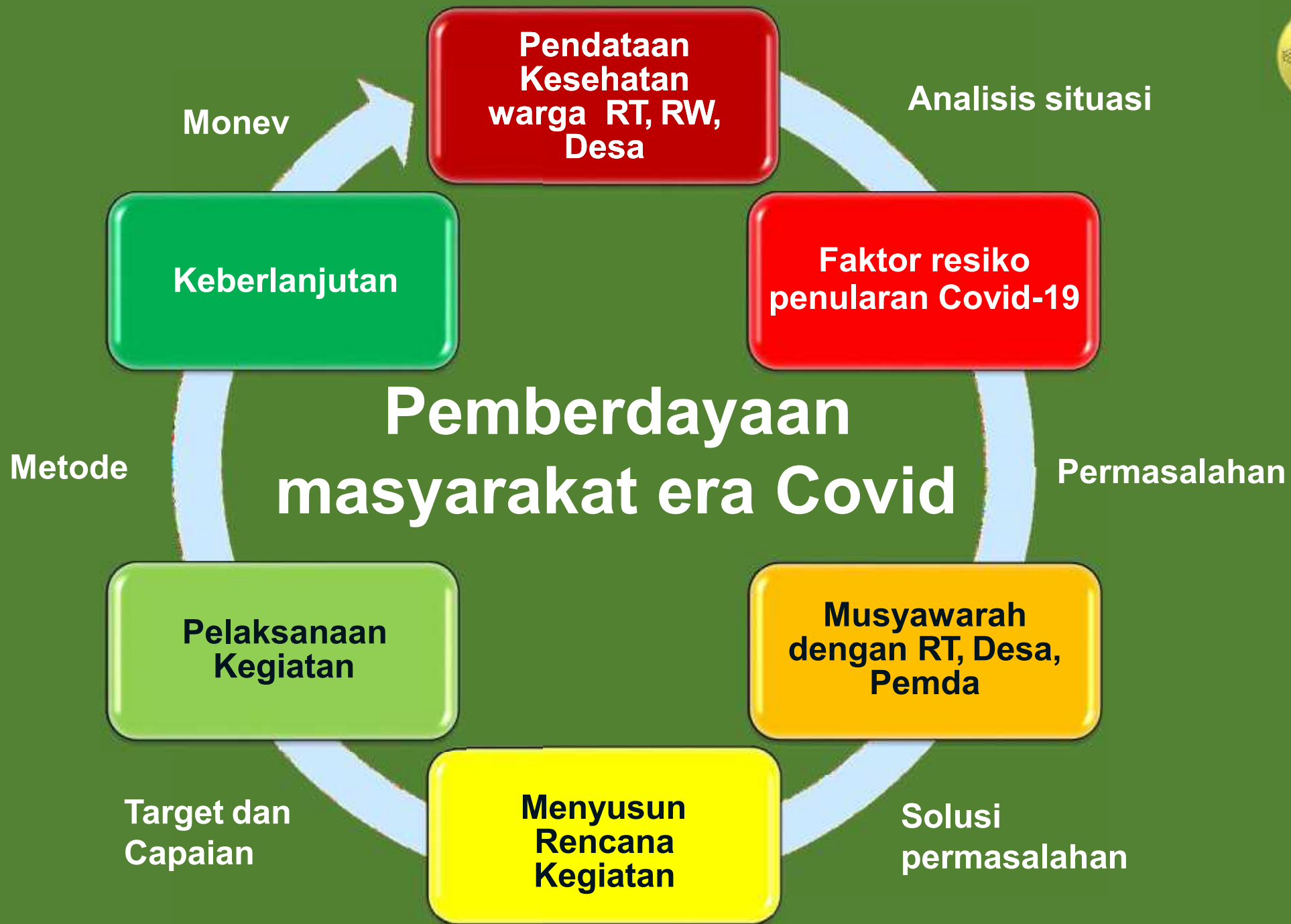
Penyuluhan masalah hukum

9

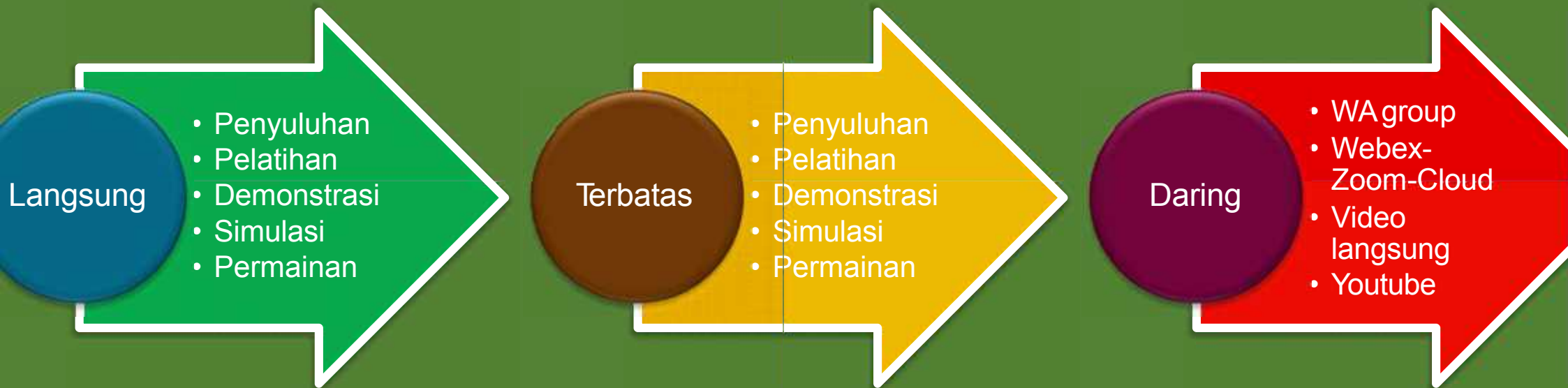
Pengelolaan bantuan sosial dan
distribusi logistik

10

Pembimbing kegiatan belajar
anak-anak



Metode pelaksanaan



Kegiatan dilakukan di daerah zona hijau dengan menerapkan physical distancing dan menggunakan masker

Jumlah peserta/mitra terbatas kelompok kecil (maks 5 orang) dengan tetap menerapkan physical distancing dan menggunakan masker

Peserta/mitra berada di rumah masing-masing

Strategi Pemberdayaan UKM era Covid-19

Pemilihan jenis usaha

Pemberdayaan SDM

Penguatan teknologi

Pengembangan jaringan

Peningkatan promosi

Daya saing meningkat

Pasar dan volume usaha/
penjualan meningkat

Lapangan kerja meningkat

Pendapatan meningkat

Kemiskinan menurun

Kesejahteraan meningkat



SIMPULAN

- Meskipun dalam situasi pandemi, harus tetap semangat melaksanakan Tri Dharma Perguruan Tinggi
- Tetap menjaga kualitas pendidikan (daring = luring)
- Kuliah daring interaktif, menyenangkan, tidak membebani mahasiswa
- Penelitian dan Pengabdian kepada Masyarakat untuk mengatasi dampak pandemi



Matur nuwun