

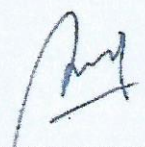
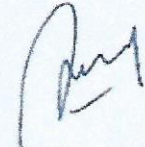

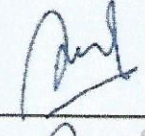
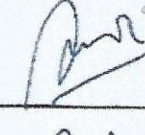
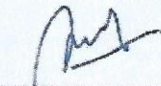


**KEGIATAN PEMBELAJARAN
SEMESTER GANJIL TAHUN AKADEMIK 2020 / 2021**

| | | | |
|--------------------|------------------------------------|---------------|----------------------|
| Dosen | : ARachman Soleman. Ir. MT. | Hari | Kamis |
| | : HARLAN EFENDI Ir. MT | | |
| Mata Kuliah | : Elektronika Industri | J a m. | 15.40 - 17.20 |
| Kelas | : A | Ruang | A 6 |

| No. | Hari /Tgl | MATERI KULIAH | JAM | PARAF DOSEN |
|-----|-----------------------------|--|-----------------------|---|
| 1 | KAMIS 17 SEP 20 | Part I Circuits and Signals 1. DC and Transient Circuit Analysis. Carfotta A. Berry and Deborah J. Walter. 2. AC Circuit Analysis. Carlotta A. Berry and Deborah J. Walter | 15.00 s/d 17.20 |  |
| 2 | KAMIS 24 SEP 20 | 3. Computational Methods in Node and Loop Analyses. Stephen M. Haddock and J. David Irwin. 4. Transistor Operation and Modeling. Tina Hudson. 5. Application of Operational Amplifiers Frequency Response and Bode Diagrams. Thomas F. Schubert, Jr. and Ernest M. Kim | 15.00 s/d 17.20 |  |
| 3 | KAMIS 1 OKT 2020 | 6. Frequency Response and Bode Diagrams. Thomas F. Schubert, Jr. and Ernest M. Kim. 7. Laplace Transforms. Dalton S. Nelson Part II Devices. 8. Semiconductor Diode. Bogdan M. Wilamowski | 15.00 s/d 17.20 |  |
| 4 | KAMIS 8 OKT 20 | 9. Bipolar Junction Transistor. Bogdan M. Wilamowski and Guofu Niu. 10. Field Effect Transistors. Bogdan M. Wilamowski and J. David Irwin 11. Noise in Semiconductor Devices. Alicja Konczakowska and Bogdan M. Wilamowski | 15.00 s/d 17.20 |  |
| 5 | KAMIS 15 OKT 20 | 12. Physical Phenomena Used in Sensors. Tian Tian Xie and Bogdan M. Wilamowski. 13. MEMS Devices. José M. Quero, Antonio Luque, Luis Castañer, Angel Rodríguez, Adrian Ionescu, Montserrat Fernández-Bolaños, Lorenzo Faraone, and John M. Dell | 15.00 s/d 17.20 |  |
| 6 | KAMIS 22 OKT 20 | 14. MEMS Technologies. Antonio Luque, José M. Quero, and Carles Cané. 15. Applications of MEMS. Antonio Luque, José M. Quero, Robert Lempkowski, and Francisco Ibáñez. | 15.00 s/d 17.20 |  |
| 7 | KAMIS 29 OKT 20 | 16. Transistors in Switching Circuits. Tina Hudson 17. Transistors in Amplifier Circuits. Tina Hudson. | 15.00 s/d 17.20 |  |
| 8 | KAMIS 5 NOV 20 | UJIAN TENGAH SEMESTER | 15.00 s/d 17.20 |  |

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SEMESTER GANJIL TAHUN AKADEMIK 2020 / 2021**

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| Dosen | : ARachman Soleman. Ir. MT. | Hari | Kamis |
| | : HARLAN EFENDI. Ir. MT | | |
| Mata Kuliah | : Elektronika Industri | Jam | 15.40 - 17.20 |
| Kelas | : A | Ruang | A 6 |

| No. | Hari /Tgl | MATERI KULIAH | JAM | PARAF DOSEN |
|-----|----------------------|--|-----------------------|---------------|
| 9 | KAMIS 12 NOV 20 | 18. A Simplistic Approach to the Analysis of Transistor Amplifiers. Bogdan M. Wilamowski and J. David Irwin . 19. Analog and Digital VLSI Design. Vishal Saxena and R. Jacob Baker | 15.00 s/d 17.20 | <i>Harlan</i> |
| 10 | KAMIS 19 NOV 20 | Part III Digital Circuits . 20. Digital Design—Combinational Logic. Buren Earl Wells and Sin Ming Loo . 21. Digital Design—Sequential Logic Sin Ming Loo and Arlen Planting | 15.00 s/d 17.20 | <i>Harlan</i> |
| 11 | KAMIS 26 NOV 20 | 22. Soft-Core Processors. Arlen Planting and Sin Ming Loo. 23. Computer Architecture. Victor P. Nelson | 15.00 s/d 17.20 | <i>Harlan</i> |
| 12 | KAMIS 3 DES 20 | 24. FPGAs and Reconfigurable Systems. Juan J. Rodriguez-Andina and Eduardo de la Torre Part IV Digital and analog Signal Processing . 25. Signal Processing. James A. Heinen and Russell J. Niederjohn | 15.00 s/d 17.20 | <i>Harlan</i> |
| 13 | KAMIS 10 DES 20 | 26. Analog Filter Synthesis. Nam Pham and Bogdan M. Wilamowski . 27. Active Filter Implementation. Nam Pham, Bogdan M. Wilamowski, and John W. Steadman | 15.00 s/d 17.20 | <i>Harlan</i> |
| 14 | KAMIS 17 DES 20 | 28. Designing Passive Filters with Lossy Elements. Marcin Jagiela and Bogdan M. Wilamowski Part V Electromagnetics . 29. Electromagnetic Fields I. Sadasiva M. Rao, Tyler N. Killian, and Michael E. Baginski | 15.00 s/d 17.20 | <i>Harlan</i> |
| 15 | KAMIS 24 DES 20 | 30. Propagating Electromagnetic Fields. Michael E. Baginski, Sadasiva M. Rao, and Tyler N. Killian . 31. Transmission Line Time-Domain Analysis and Signal Integrity. Edward Wheeler, Jianjian Song, and David R. Voltmer | 15.00 s/d 17.20 | <i>Harlan</i> |
| 16 | KAMIS 28 JAN 2021 | UJIAN AKHIR SEMESTER | 15.00 s/d 17.20 | <i>Harlan</i> |

Ket : Kuliah dimulai dari SEPTEMBER s/d 27 FEBRUARI 2021

Jakarta, September 2020

Kaprodi Teknik Elektro S1. FTI. ISTN.

Harlan
Ir. HARLAN EFENDI. MT