##### Berita Acara Pengajaran PENGOLAHAN CITRA-0093 (3 SKS)

##### Dosen: 199506094-KDW

##### Kelas: 17.5A.02

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Temu | Ruang | Kehadiran | Bahan Kajian | BAP |
| 1 | 302-A1 | 2024-09-2415:00-17:30 | Pengantar Pengolahan Citra:Pengertian citra, tujuan pengolahan citra jenis citra, model citra, jenis citra, elemen citra, digitalisasi citra, bidang studi terkait dan aplikasinya  | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan pengertian citra, tujuan pengolahan citra, model citra, jenis citra, elemen citra, digitalisasi citra, bidang studi terkait dan aplikasinya Jumlah Mahasiswa Hadir : 33 Dari 35 Mahasiswa  |
| Masuk: 15:06:42 -17:21:40  |
| 2 | 302-A1 | 2024-10-0115:00-17:30 | Operasi Dasar Pengolahan Citra Digital:Operasi-operasi pengolahan citra dan persoalan di dalam pengolahan citra  | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan operasi-operasi pengolahan citra dan persoalan di dalam pengolahan citra Jumlah Mahasiswa Hadir : 35 Dari 35 Mahasiswa  |
| Masuk: 15:02:39 -17:20:14  |
| 3 | 302-A1 | 2024-10-0815:00-17:30 | Transformasi Fourier:Konsep frekuensi dalam citra, dasar-dasar transformasi Fourier, transformasi Fourier diskrit dan filter dalam domain frekuensi  | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan konsep frekuensi dalam citra, dasar-dasar transformasi Fourier, transformasi Fourier diskrit dan filter dalam domain frekuensi Jumlah Mahasiswa Hadir : 35 Dari 35 Mahasiswa  |
| Masuk: 15:05:35 -17:19:13  |
| 4 | 302-A1 | 2024-10-1515:00-17:30 | Peningkatan Kualitas Citra:Hubungan antar pixel, format warna, representasi citra, histogram dan teknik image enhancement  | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan hubungan antar pixel, format warna, representasi citra, histogram dan teknik image enhancement Jumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:01:02 -17:17:39  |
| 5 | 302-A1 | 2024-10-2215:00-17:30 | Perbaikan Citra:Restorasi citra, sumber dan karakteristik noise meliputi Gaussian, Uniform, Speckledan Salt & Pepper, reduksi noise meliputi mean filter dan Gaussian filter | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan tentang restorasi citra, sumber dan karakteristik noisemeliputi Gaussian, Uniform, Speckle dan Salt & Pepper, reduksi noise meliputi mean filter dan Gaussian filterJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:19 -17:33:13  |
| 6 | 302-A1 | 2024-10-2915:00-17:30 | Pendeteksian Tepi:Definisi tepi, tujuan pendeteksian tepi, jenis tepi dan teknik mendeteksi tepi meliputi teknik dengan konvolusi dan tanpa konvolusi  | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang definisi tepi, tujuan pendeteksian tepi, jenis tepi dan teknik mendeteksi tepi meliputi teknik dengan konvolusi dan tanpa konvolusiJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:49 -17:23:13  |
| 7 | 302-A1 | 2024-11-0515:00-17:30 | Review Materi/Quiz | Review Materi/QuizJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa |
| Masuk: 15:04:49 -17:20:23  |
| 8 | 302-A1 | 2024-11-1215:00-17:30 | Ujian Tengah Semester (UTS) | Ujian Tengah SemesterJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa |
| Masuk: 15:02:19 -17:21:10  |
| 9 | 302-A1 | 2024-11-1915:00-17:30 | Spatial Filtering:Teori konvolusi, konsep filtering meliputi lowpas, medan filter dan highpass spatial filter | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikan tentang teori konvolusi, konsep filtering meliputilowpas, medan filter dan highpass spatial filterJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:49 -17:23:53  |
| 10 | 302-A1 | 2024-11-2615:00-17:30 | Pemampatan Citra:Kompresi pada citra, pemampatan dan pengkodean, jenis kompresi, klasifikasi metode kompresimeliputi metode kompresi Shanon-Fano, Huffman, Run Length Encoding dan metode kuantisasi, teknik kompresi | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang kompresi pada citra, pemampatan dan pengkodean, jenis kompresi, klasifikasi metode kompresi meliputi metode kompresi Shanon-Fano, Huffman, Run Length Encoding dan metode kuantisasi,teknik kompresiJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:06:49 -17:22:03  |
| 11 | 302-A1 | 2024-12-0315:00-17:30 | Citra Berwarna:Pengolahan citra berwarna, konsep warna, spektrum warna, kombinasi elemen dasar warna, format warna | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang pengolahan citra berwarna, konsep warna, spektrum warna, kombinasi elemen dasar warna, format warnaJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:49 -17:23:13  |
| 12 | 302-A1 | 2024-12-1015:00-17:30 | Segmentasi dan Representasi Citra:Segmentasi citra, jenis algoritma segmentasi citra meliputi diskotinuitas dan similaritas | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang segmentasi citra, jenis algoritma segmentasi citra meliputi diskotinuitas dan similaritasJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:19 -17:23:33  |
| 13 | 302-A1 | 2024-12-1715:00-17:30 | Morfologi:Pemrosesan citra secara morfologis, operasi-operasi dan algoritma morfologi | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang pemrosesan citra secara morfologis, operasi-operasi dan algoritma morfologiJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:06:49 -17:22:03  |
| 14 | 302-A1 | 2025-01-0715:00-17:30 | Pemrograman:Dasar pemrograman Phyton untuk pengolahan citra | Metode Pembelajaran : Tatap Muka, Presentasi dan Diskusi Materi yang Disampaikan : Mengkaji dan mensarikantentang dasar pemrograman Phyton untuk pengolahan citraJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:19 -17:23:33  |
| 15 | 302-A1 | 2025-01-1415:00-17:30 | Review Materi/Quiz | Review Materi/QuizJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:02:49 -17:23:53  |
| 16 | 302-A1 | 2025-01-2115:00-17:30 | Ujian Akhir Semester (UAS) | Ujian Akhir SemesterJumlah Mahasiswa Hadir : 29 Dari 35 Mahasiswa  |
| Masuk: 15:01:09 -17:29:33  |

##### Presensi Kehadiran

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NO | NIM | Nama | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Total  |
| 1 | 17220004 | GRATSIANA LANI | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 2 | 17220023 | DANAR WIBISONO | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **14** |
| 3 | 17220094 | MUHAMMAD ZAHRAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 4 | 17220125 | AGUNG MAULANA SAPUTRA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 5 | 17220145 | FACHRI ANDHIKA NOVRIANTO | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 6 | 17220160 | NUR AZIS SAPUTRA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✖ | ✖ | ✖ | ✔ | ✔ | ✔ | ✔ | **12** |
| 7 | 17220172 | HARSYA MUHAMMAD HAOBBIE | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 8 | 17220251 | MUHAMMAD IQBAL SYAFIQ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 9 | 17220373 | AHMAD ADLI | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 10 | 17220377 | MUHAMMAD RAFI ARDANA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✖ | ✔ | ✔ | ✔ | ✔ | **13** |
| 11 | 17220492 | BAGAS MAULANA IBROHIM | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 12 | 17220511 | RAYHAN FADILA KURNIAWAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 13 | 17220515 | BAYU PRATAMA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **15** |
| 14 | 17220527 | RIZKY ADILAH AKBAR | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 15 | 17220533 | MUHAMMAD RAVI AKBAR | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 16 | 17220535 | DAFFA YAAFI ALHAKIM | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 17 | 17220588 | SULASTRI | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 18 | 17220589 | NAYA AULIAH | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 19 | 17220621 | AUFA YAISY ASLAM | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | **10** |
| 20 | 17220629 | MUHAMMAD OKKY FIRMANSYAH | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 21 | 17220635 | MUHAMMAD RANGGA APRIANA | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✖ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | **11** |
| 22 | 17220644 | VIRNA OKTAVIANA | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | **10** |
| 23 | 17220650 | YOGA FERDIAN DIO ARDHANA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **10** |
| 24 | 17220716 | WAHID IWAN NUROHMAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 25 | 17220718 | FAKHRI RACHMAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 26 | 17220721 | MUHAMMAD SYAUQY FAURUZZABADI | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | **14** |
| 27 | 17220752 | ZAHRA NUR AZIZAH | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 28 | 17220786 | KRISNA THORIQ KAWIRIYAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✖ | ✖ | ✔ | ✔ | ✔ | ✔ | **8** |
| 29 | 17220899 | MUHAMMAD RIZA FADILLAH | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 30 | 17220961 | MOHAMAD TIO ARI SAPUTRA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | ✔ | **14** |
| 31 | 17220988 | ABDI JALIL KARIM | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✖ | ✔ | ✔ | ✔ | ✔ | **15** |
| 32 | 17221035 | MUHAMMAD NAUFAL HAFIZDHYSTI | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 33 | 17221132 | TRINITA PERMATA CAREN POLII | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| 34 | 17221139 | ALBRIANT JOSIA TELAUMBANUA | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **15** |
| 35 | 17221151 | YANDI AFDIYAN | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ | **16** |
| **Total Kehadiran Harian** | **33** | **35** | **35** | **35** | **34** | **35** | **33** | **33** | **32** | **34** | **27** | **31** | **29** | **31** | **27** | **29** |   |

##### Penilaian

| NO | Nim | Nama | Presensi | Tugas | UTS | UAS | Grade Akhir |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 17220004 | GRATSIANA LANI | 0 | 0 | 0 | 0 | A |
| 2 | 17220023 | DANAR WIBISONO | 0 | 0 | 0 | 0 | A |
| 3 | 17220094 | MUHAMMAD ZAHRAN | 0 | 0 | 0 | 0 | A |
| 4 | 17220125 | AGUNG MAULANA SAPUTRA | 0 | 0 | 0 | 0 | A |
| 5 | 17220145 | FACHRI ANDHIKA NOVRIANTO | 0 | 0 | 0 | 0 | A |
| 6 | 17220160 | NUR AZIS SAPUTRA | 0 | 0 | 0 | 0 | A |
| 7 | 17220172 | HARSYA MUHAMMAD HAOBBIE | 0 | 0 | 0 | 0 | A |
| 8 | 17220251 | MUHAMMAD IQBAL SYAFIQ | 0 | 0 | 0 | 0 | A |
| 9 | 17220373 | AHMAD ADLI | 0 | 0 | 0 | 0 | A |
| 10 | 17220377 | MUHAMMAD RAFI ARDANA | 0 | 0 | 0 | 0 | A |
| 11 | 17220492 | BAGAS MAULANA IBROHIM | 0 | 0 | 0 | 0 | A |
| 12 | 17220511 | RAYHAN FADILA KURNIAWAN | 0 | 0 | 0 | 0 | A |
| 13 | 17220515 | BAYU PRATAMA | 0 | 0 | 0 | 0 | D |
| 14 | 17220527 | RIZKY ADILAH AKBAR | 0 | 0 | 0 | 0 | A |
| 15 | 17220533 | MUHAMMAD RAVI AKBAR | 0 | 0 | 0 | 0 | A |
| 16 | 17220535 | DAFFA YAAFI ALHAKIM | 0 | 0 | 0 | 0 | A |
| 17 | 17220588 | SULASTRI | 0 | 0 | 0 | 0 | A |
| 18 | 17220589 | NAYA AULIAH | 0 | 0 | 0 | 0 | A |
| 19 | 17220621 | AUFA YAISY ASLAM | 0 | 0 | 0 | 0 | E |
| 20 | 17220629 | MUHAMMAD OKKY FIRMANSYAH | 0 | 0 | 0 | 0 | A |
| 21 | 17220635 | MUHAMMAD RANGGA APRIANA | 0 | 0 | 0 | 0 | B |
| 22 | 17220644 | VIRNA OKTAVIANA | 0 | 0 | 0 | 0 | E |
| 23 | 17220650 | YOGA FERDIAN DIO ARDHANA | 0 | 0 | 0 | 0 | E |
| 24 | 17220716 | WAHID IWAN NUROHMAN | 0 | 0 | 0 | 0 | A |
| 25 | 17220718 | FAKHRI RACHMAN | 0 | 0 | 0 | 0 | A |
| 26 | 17220721 | MUHAMMAD SYAUQY FAURUZZABADI | 0 | 0 | 0 | 0 | A |
| 27 | 17220752 | ZAHRA NUR AZIZAH | 0 | 0 | 0 | 0 | A |
| 28 | 17220786 | KRISNA THORIQ KAWIRIYAN | 0 | 0 | 0 | 0 | E |
| 29 | 17220899 | MUHAMMAD RIZA FADILLAH | 0 | 0 | 0 | 0 | A |
| 30 | 17220961 | MOHAMAD TIO ARI SAPUTRA | 0 | 0 | 0 | 0 | A |
| 31 | 17220988 | ABDI JALIL KARIM | 0 | 0 | 0 | 0 | A |
| 32 | 17221035 | MUHAMMAD NAUFAL HAFIZDHYSTI | 0 | 0 | 0 | 0 | A |
| 33 | 17221132 | TRINITA PERMATA CAREN POLII | 0 | 0 | 0 | 0 | A |
| 34 | 17221139 | ALBRIANT JOSIA TELAUMBANUA | 0 | 0 | 0 | 0 | D |
| 35 | 17221151 | YANDI AFDIYAN | 0 | 0 | 0 | 0 | A |