

## YAYASAN BRATA BHAKTI DAERAH JAWA TIMUR UNIVERSITAS BHAYANGKARA

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## JURNAL PERKULIAHAN

| MATAKULIAH | : 2TI1011 - INFRASTRUKTUR TEKNOLOGI<br>INFORMASI |
|------------|--------------------------------------------------|
| KELAS      | : D                                              |
| DOSEN      | : R DIMAS ADITYO ST. MT                          |

PRODI : Teknik Informatika

SEMESTER/SKS : 2/3 TH AKADEMIK : 2024- Genap

| NO | PERTEMUAN<br>KE/TGL | ТОРІК                                           | MEDIA      | TUGAS | KULIAH | DOSEN | JUMLAH<br>MAHASISWA |
|----|---------------------|-------------------------------------------------|------------|-------|--------|-------|---------------------|
| 1  | I/13-02-2025        | PENGENALAN PERKULIAHAAN ITI, PENYAMPAIAN        | E-learning |       | Hybrid | Hadir |                     |
|    |                     | REFERENSI LITERATUR DAN KONTRAK KULIAH          |            |       |        |       |                     |
| 2  | II/19-02-2025       | PENGENALAN TCP / IP                             | E-learning |       | Hybrid | Hadir |                     |
| 3  | III/19-03-2025      | VIRTUALISASI DOCKER CARA INSTALLASI DOCKER      | E-learning |       | Hybrid | Hadir |                     |
|    |                     | THE MSI PACKAGE SUPPORTS VARIOUS MDM (MOBILE    |            |       |        |       |                     |
|    |                     | DEVICE MANAGEMENT) SOLUTIONS, MAKING IT         |            |       |        |       |                     |
|    |                     | IDEAL FOR BULK INSTALLATIONS AND ELIMINATING    |            |       |        |       |                     |
|    |                     | THE NEED FOR MANUAL SETUPS BY INDIVIDUAL        |            |       |        |       |                     |
|    |                     | USERS. WITH THIS PACKAGE, IT ADMINISTRATORS CAN |            |       |        |       |                     |
|    |                     | ENSURE STANDARDIZED, POLICY-DRIVEN              |            |       |        |       |                     |
|    |                     | INSTALLATIONS OF DOCKER DESKTOP, ENHANCING      |            |       |        |       |                     |
|    |                     | EFFICIENCY AND SOFTWARE MANAGEMENT ACROSS       |            |       |        |       |                     |
|    |                     | THEIR ORGANIZATIONS. INSTALL INTERACTIVELY IN   |            |       |        |       |                     |
|    |                     | THE DOCKER ADMIN CONSOLE, NAVIGATE TO YOUR      |            |       |        |       |                     |
|    |                     | ORGANIZATION. UNDER DOCKER DESKTOP, SELECT      |            |       |        |       |                     |
|    |                     | THE DEPLOY PAGE. FROM THE WINDOWS OS TAB,       |            |       |        |       |                     |
|    |                     | SELECT THE DOWNLOAD MSI INSTALLER BUTTON.       |            |       |        |       |                     |
|    |                     | ONCE DOWNLOADED, DOUBLE-CLICK DOCKER            |            |       |        |       |                     |
|    |                     | DESKTOP INSTALLER. MSI TO KUN THE INSTALLER.    |            |       |        |       |                     |
|    |                     | UNCE YOU'VE ACCEPTED THE LICENSE AGREEMENT,     |            |       |        |       |                     |
|    |                     | YOU CAN CHOUSE THE INSTALL LUCATION. BY         |            |       |        |       |                     |
|    |                     | DEFAULI, DUCKER DESKIOP IS INSTALLED AT         |            |       |        |       |                     |
|    |                     | C.\PROGRAM FILES\DOCKER\DOCKER. CONFIGURE THE   |            |       |        |       |                     |
|    |                     | A DESKTOP SHOPTCHT SET THE DOCKED DESKTOP       |            |       |        |       |                     |
|    |                     | A DESKTOP SHORICUT SET THE DOCKER DESKTOP       |            |       |        |       |                     |
|    |                     | WINDOWS CONTAINED USAGE SELECT THE ENGINE       |            |       |        |       |                     |
|    |                     | FOR DOCKER DESKTOP FITHER WSL OR HVDEP V IF     |            |       |        |       |                     |
|    |                     | YOUR SYSTEM ONLY SUPPORTS ONE OF THE TWO        |            |       |        |       |                     |
|    |                     | OPTIONS YOU WON'T BE ABLE TO SELECT WHICH       |            |       |        |       |                     |
|    |                     | BACKEND TO USE. FOLLOW THE INSTRUCTIONS ON      |            |       |        |       |                     |

|    |                 | THE INSTALLATION WIZARD TO AUTHORIZE THE        |             |            |       |  |
|----|-----------------|-------------------------------------------------|-------------|------------|-------|--|
|    | 11/00 04 2025   | INSTALLER AND PROCEED WITH THE INSTALL.         | <b>F1</b> . | TT 1 1     | TT 1' |  |
| 4  | 1V/09-04-2025   | UIS, SILAHKAN DIJAWAB DENGAN BAIK               | E-learning  | Hybrid     | Hadir |  |
| 5  | V/09-04-2025    | TUGAS/UJIAN/PRESENTASI                          | E-learning  | Hybrid     | Hadir |  |
| 6  | VI/16-04-2025   | DEMO UTS SUDAH MAJU DEMO 1. TIO KUKUH           | E-learning  | Hybrid     | Hadir |  |
|    |                 | ARDIYANSAH 2. NIZAR PUTRA                       |             |            |       |  |
| 7  | VII/14-05-2025  | REST API                                        | E-learning  | Hybrid     | Hadir |  |
| 8  | VIII/21-05-2025 | MEMAHAMI DAN MENGGUNAKAN REST API               | E-learning  | Hybrid     | Hadir |  |
|    |                 | SEDERHANA TUJUAN PEMBELAJARAN: MEMAHAMI         |             |            |       |  |
|    |                 | KONSEP DASAR REST API (GET, POST, PUT, DELETE). |             |            |       |  |
|    |                 | MAMPU MENGGUNAKAN ALAT SEPERTI POSTMAN          |             |            |       |  |
|    |                 | ATAU PYTHON REQUESTS UNTUK BERINTERAKSI         |             |            |       |  |
|    |                 | DENGAN REST API. MENGANALISIS DATA YANG         |             |            |       |  |
|    |                 | DIPEROLEH DARI API DAN MENAMPILKANNYA           |             |            |       |  |
|    |                 | DENGAN RAPI. DESKRIPSI TUGAS: BACA DAN PAHAMI   |             |            |       |  |
|    |                 | MATERI PENGANTAR REST API: METODE HTTP (GET,    |             |            |       |  |
|    |                 | POST, PUT, DELETE), FORMAT JSON, ENDPOINT, DLL. |             |            |       |  |
|    |                 | GUNAKAN API PUBLIK BERIKUT INI UNTUK            |             |            |       |  |
|    |                 | PERCOBAAN:                                      |             |            |       |  |
|    |                 | HTTPS://JSONPLACEHOLDER.TYPICODE.COM            |             |            |       |  |
|    |                 | LAKUKAN PERMINTAAN HTTP BERIKUT: GET /POSTS     |             |            |       |  |
|    |                 | → AMBIL DAFTAR SEMUA POSTINGAN. GET             |             |            |       |  |
|    |                 | /POSTS/1 → AMBIL SATU POSTINGAN                 |             |            |       |  |
|    |                 | BERDASARKAN ID. POST /POSTS → KIRIM DATA        |             |            |       |  |
|    |                 | POSTINGAN BARU (GUNAKAN CONTOH DATA JSON).      |             |            |       |  |
|    |                 | PUT /POSTS/1 → UBAH ISI POSTINGAN KE-1.         |             |            |       |  |
|    |                 | DELETE /POSTS/1 → HAPUS POSTINGAN KE-1.         |             |            |       |  |
|    |                 | PETUNJUK PENGERJAAN: GUNAKAN POSTMAN ATAU       |             |            |       |  |
|    |                 | BUAT SKRIP SEDERHANA DENGAN BAHASA PYTHON       |             |            |       |  |
|    |                 | DAN MODUL REQUESTS. CONTOH KODE PYTHON:         |             | <br>       |       |  |
| 9  | IX/28-05-2025   | ARSITEKTUR REST API                             | E-learning  | Hybrid     | Hadir |  |
| 10 | X/04-06-2025    | PENJELASAN TENTANG API MENGGUNAKAN              | E-learning  | <br>Hybrid | Hadir |  |
| 11 | XI/11-06-2025   | TUGAS/UJIAN/PRESENTASI                          | E-learning  | Hybrid     | Hadir |  |

Surabaya, 25 / Jul / 2025

