

**v1.012**  
**BAIKABP UNDIP**

**PRODI** S3 Sistem Informasi  
**KODE MK** LCS19109  
**NAMA MK** Internet of Things  
**UUID** 4c904ae9-a207-43ed-af83-9c778565f756

| No. | Evaluasi               | Komponen     | Bobot (15%) | Deskripsi*                                                                                                                                                                                                                     | Deskripsi (Inggris)                                                                                                                                                                          |
|-----|------------------------|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Aktivitas Partisipatif | -            | 10          | Mahasiswa mampu berpartisipasi aktif dalam mempelajari materi Internet of Things                                                                                                                                               | Students are able to actively participate in studying Internet of Things material                                                                                                            |
| 2   | Hasil Proyek           | -            | 0           | Kelas akan dibagi menjadi beberapa kelompok agar dapat mengerjakan studi kasus yang diberikan dosen selama pembelajaran Internet of Things pada teknik searching, planning, dan learning dan dipresentasikan di akhir semester | The class will be divided into several groups so that they can work on case studies given by the lecturer during Internet of Things learning in searching, planning, and learning techniques |
| 3   | Kognitif/Pengetahuan   | Tugas        | 20          | Mahasiswa mampu mengerjakan tugas tugas yang diberikan selama pembelajaran Internet of Things meliputi teknik reasoning                                                                                                        | Students are able to do the tasks given during Internet of Things learning including reasoning techniques                                                                                    |
|     |                        | Quiz         | 0           | Kuis dilakukan minimal selama 1 kali untuk mengetahui kemampuan analisis mahasiswa dalam memahami materi Internet of Things                                                                                                    | Quizzes are conducted at least 1 times to determine students' analytical skills in understanding Internet of Things material                                                                 |
|     |                        | UTS          | 35          | UTS diberikan dalam bentuk soal essay                                                                                                                                                                                          | Mid-semester exams are given in the form of essay questions                                                                                                                                  |
|     |                        | UAS          | 35          | UAS diberikan dalam bentuk soal essay                                                                                                                                                                                          | Final exams are given in the form of essay questions                                                                                                                                         |
|     |                        | <b>TOTAL</b> | <b>100</b>  | <b>OK</b>                                                                                                                                                                                                                      |                                                                                                                                                                                              |

## RENCANA PEMBELAJARAN

| <b>Pertemuan</b> | <b>Materi</b>                                             | <b>Materi (Inggris)</b>                                  |
|------------------|-----------------------------------------------------------|----------------------------------------------------------|
| 1                | Konsep Dasar dan penerapan Internet of Things             | Basic Concept and Application of internet of Things      |
| 2                | Arsitektur Internet of Things                             | Arsitektur Internet of Things                            |
| 3                | Telaah Jurnal Internet of Things                          | Review Internet of Things Journal                        |
| 4                | Sensor dan Aktuator                                       | Sensor and Actuator                                      |
| 5                | Akuisisi Data dan Komunikasi Data pada Internet of Things | Data Acquisition and Communication in Internet of Things |
| 6                | Jaringan Nirkabel                                         | Wireless Network                                         |
| 7                | Jaringan Sensor Nirkabel                                  | Wireless Sensor Network                                  |
| 8                | Ujian Tengah Semester                                     | Midterm Exam                                             |
| 9                | Jaringan Kabut                                            | Fog Networking                                           |
| 10               | Komputasi Kabut                                           | Fog Computing                                            |
| 11               | Studi Kasus Jaringan Kabut                                | Fog Network Case Study                                   |
| 12               | Internet of Thing - Jaringan Awan                         | Internet of Thing - Cloud Networking                     |
| 13               | Komputasi Awan                                            | Cloud Computing                                          |
| 14               | Kecerdasan Buatan pada Layer Internet of Things           | Artificial Intelligence in Internet of Things            |
| 15               | Studi Kasus Topik Internet of Things                      | Internet of Things Topic Case Study                      |
| 16               | Ujian Akhir Semester                                      | Final Exam                                               |