

TKB213274
Telemedicine System
Sistem Telemedis

BASIC INFORMATION

Course Credit [sks]	3 / 100 minutes per Week
Course Type	Elective
Course Classification	Engineering Topics
Prerequisites	-

STUDENT AND LEARNING OUTCOMES

Covered Student Outcomes

Development of Engineering Solution (b)

Engineering Design (c)

Choose Student Outcome

Learning Outcomes

LO1 Students are able to understand the basic concept of telemedicine system.

[CPMK 1: Mahasiswa mampu memahami konsep dasar Sistem Telemedis]

LO2 Students are able to design the telemedicine system.

[CPMK 2: Mahasiswa mampu merancang Sistem Telemedis]

COURSE DESCRIPTION

This course does not have any prerequisites. It introduces the basic concept of Telemedicine System, technological development, design of Telemedicine System, and its application.

DESKRIPSI MATAKULIAH

Matakuliah ini tanpa prasyarat. Matakuliah ini menjelaskan tentang konsep dasar Sistem Telemedis, pengembangan teknologi, perancangan Sistem Telemedis, dan penerapannya.

TOPICS

1. History and scope of telemedicine [Sejarah dan Ruang Lingkup Telemedis]
2. Data Communication in Telemedicine [Komunikasi data pada Sistem Telemedis]
3. Information system reliability in telemedicine system [Keandalan Sistem Informasi pada Sistem Telemedis]
4. Regulation, law, and ethic of telemedicine [Regulasi, Hukum, dan Etika pada Sistem Telemedis]
5. Design of Telemedicine System [Perancangan Sistem Telemedis]
6. Application of Telemedicine System [Penerapan Sistem Telemedis]

REFERENCES

1. Bernard Fong, A.C.M. Fong, C.K. Li., 2011, Telemedicine Technologies: Information Technologies In Medicine And Telehealth. John Wiley & Sons Ltd, Chichester.
2. Shashi Gogia, 2019, Fundamentals of Telemedicine and Telehealth, Academic Press