

Ulya Anisatur Rosyidah, M.Kom

Latar Belakang IoT



Sejarah Perkembangan IoT



1989

John Romkey dan Simon Hackett

Paul Saffo – Teknologi Sensor

1997

Kevin Ashton – Internet of Things

2000- an

Nabaztag – robot kelinci sebagai pewarta



Steve Mann - wearcam

1994



1999



Definisi IoT



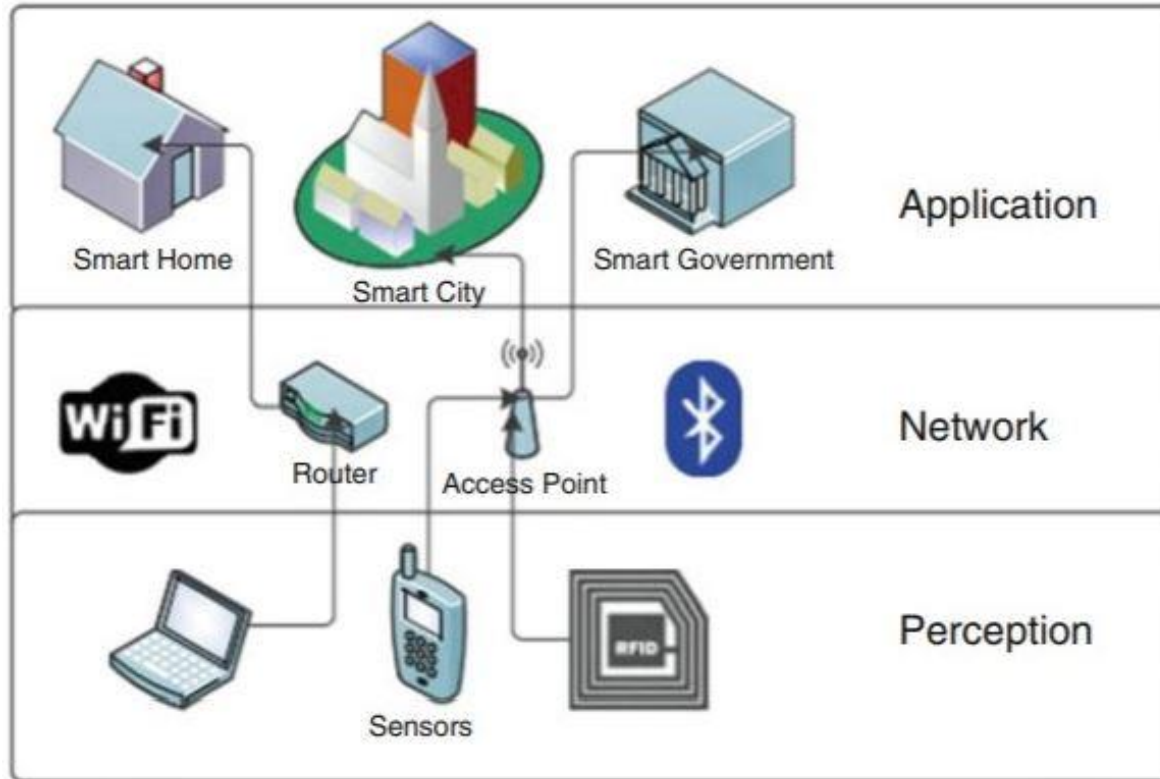
“

Adalah sebuah konsep yang bertujuan untuk memperluas manfaat dari konektivitas internet yang tersambung secara terus-menerus.

”

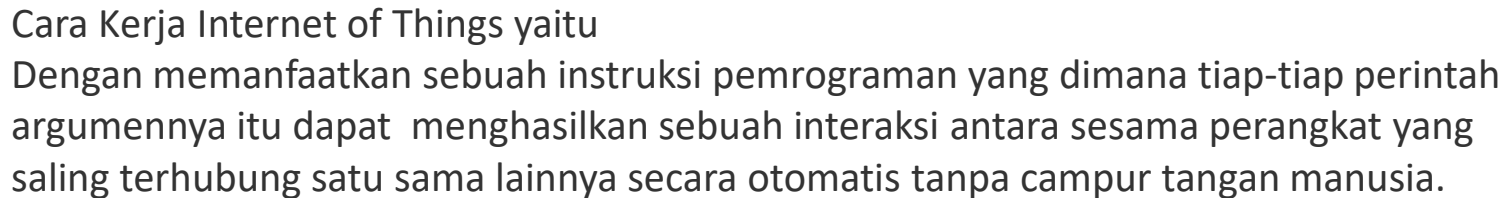
Konsep dimana suatu objek yang memiliki kemampuan untuk mentransfer data melalui jaringan tanpa memerlukan interaksi manusia ke manusia atau manusia ke komputer

Arsitektur IoT



Sumber : Mian A.J, Fazlulah, "Recent Trends and Advances in Wireless and IoT-enabled Networks," Springer Innovation in communication and computing, 2019.

umjember
Knowledge
Morality
Civilization



Universitas Muhammadiyah Jember | umjember | Humas UM Jember | www.unmuhjember.ac.id | KNOWLEDGE MORALITY CIVILIZATION

KELEBIHAN IoT



1

- DATA

2

- TRACKING

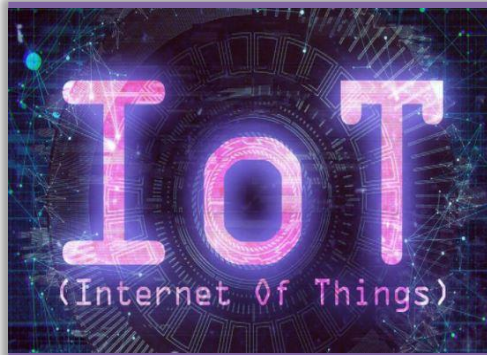
3

- WAKTU

4

- BIAYA

KEKURANGAN IoT



Your Text Here

I hope and I believe that this Template will your Time, Money and Reputation. Get a modern PowerPoint Presentation that is beautifully designed.

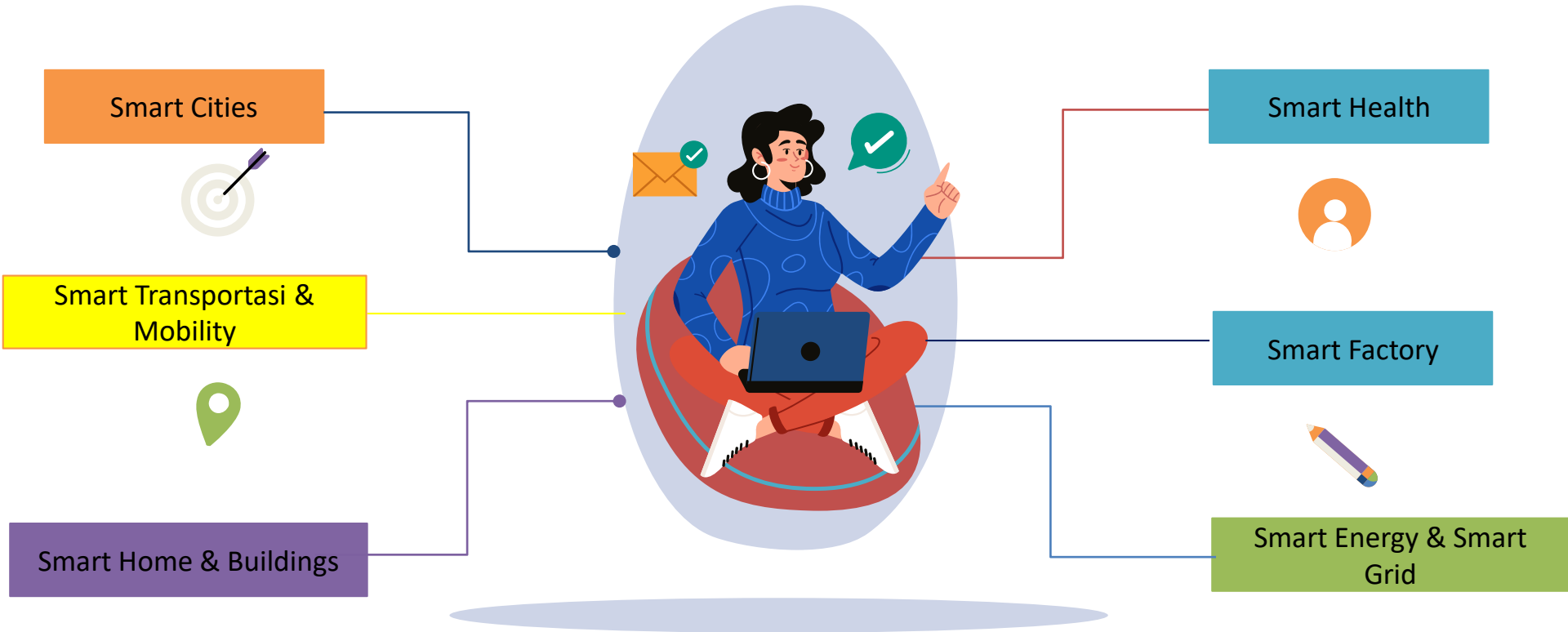
Your Text Here

I hope and I believe that this Template will your Time, Money and Reputation. Get a modern PowerPoint Presentation that is beautifully designed.

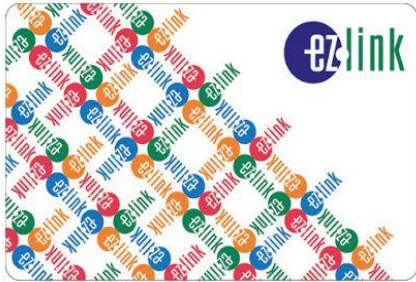
Your Text Here

I hope and I believe that this Template will your Time, Money and Reputation. Get a modern PowerPoint Presentation that is beautifully designed.

PENGAPLIKASIAN DARI IoT



CONTOH IoT



Coke machine yg dapat memberikan info tersedia tidaknya air dingin di mesin melalui sebuah program

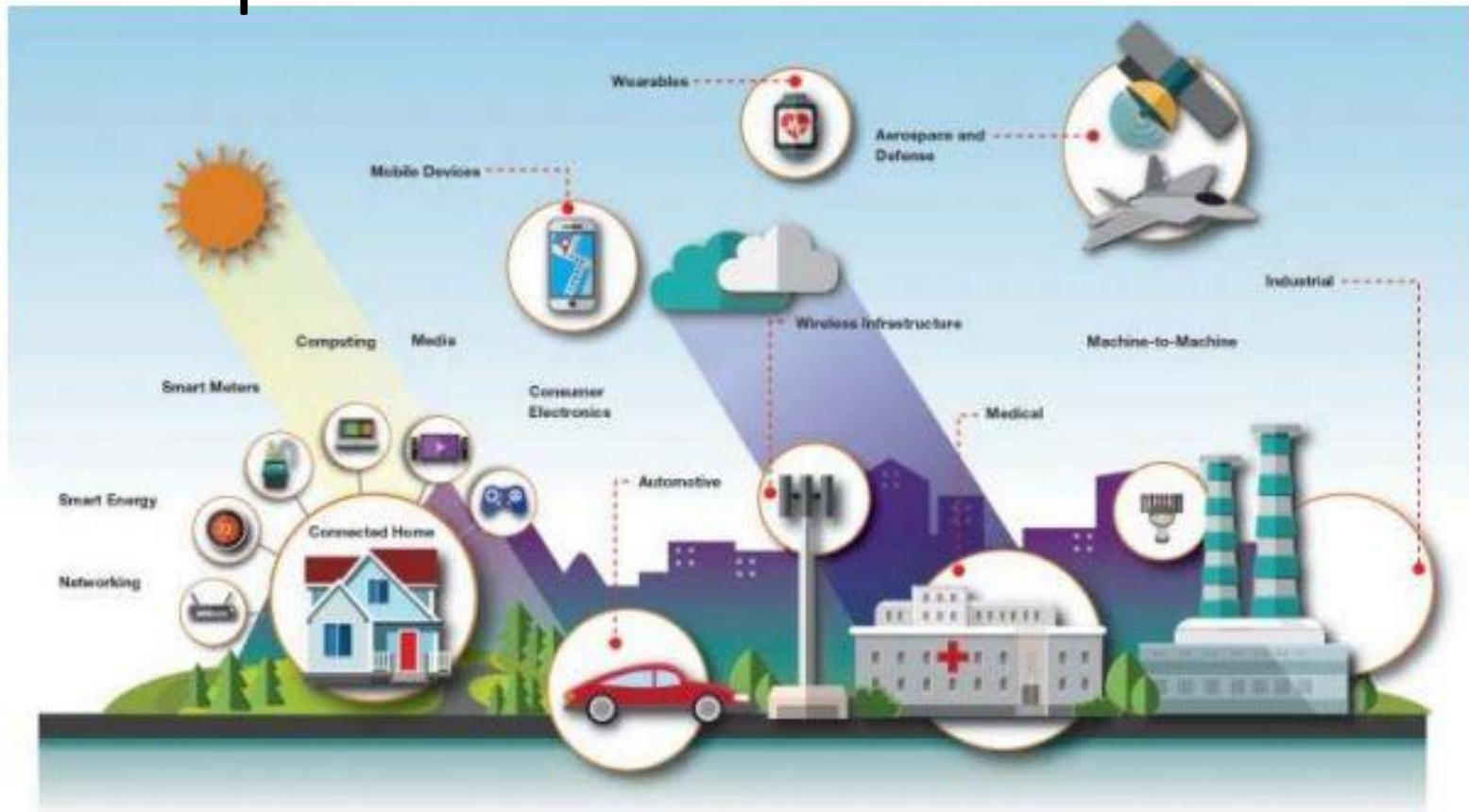


City Touch untuk sistem penerangan

CONTOH IoT



Penerapan IoT



Penerapan IoT - Pertanian



Penerapan IoT - Peternakan

SmarTernak
menggunakan DycodeX
dengan koneksi
teknologi LoRa



BEAT EXAM STRESS!



GET SOME SLEEP

If you go to bed feeling anxious, you'll find it harder to fall asleep. Avoid starting a new chapter of your revision book late in the day. It'll still be there in the morning when your mind is fresh.



DON'T AVOID TOPICS YOU DISLIKE

If a particular subject is causing issues, don't dwell on it for too long but don't forget about it completely. Changing your study environment or talking it through with someone can work wonders.



FUEL YOURSELF EFFECTIVELY

Snacking on junk food while revising is all too easy, but won't do you any good. Brain foods like blueberries, avocados and salmon genuinely aid memory function. And don't be tempted to overdo the caffeine or drugs that claim to enhance performance - the downsides outweigh any supposed benefits.



FLEX YOUR MIND AND BODY

Any form of exercise is good during exam time. Yoga is particularly good at stimulating your brain to produce chemicals to control calmness. Deep, slow breathing techniques can aid relaxation. And even a few daily minutes of mindfulness can stop you feeling overwhelmed.



AVOID NEGATIVE VIBES

Avoid being a sounding board for moans from your friends - 'Who's more stressed?' contest will do neither of you any good. Tune your TV to a comedy series rather than a news bulletin about impending World War 3.



SCHEDULE IN A TREAT

Have something other than a single track focus on exam day. Book in a break away with friends that you can start looking forward to. Research things to see and plan some activities to take your mind off the task at hand.

Kerjakan secara kelompok tugas dibawah ini. Upload file tugas kedalam e-study di tempat yang sudah disediakan

- Kelompok 1 Penerapan IoT dibidang Transportasi
- Kelompok 2 Penerapan IoT dibidang Kesehatan
- Kelompok 3 Penerapan IoT di kehidupan sehari-hari
- Kelompok 4 Penerapan IoT dibidang Keamanan
- Kelompok 5 Penerapan IoT dibidang Kelautan
- Kelompok 6 Penerapan IoT dibidang Pendidikan
- Kelompok 7 Penerapan IoT dibidang Industri

TUGAS KELOMPOK



umjember

KNOWLEDGE, MORALITY, CIVILIZATION

www.unmuhjember.ac.id



Unmuh Jember (official)



@unmuhjember



humas UM Jember



0813-5783-6432



Universitas Muhammadiyah Jember



umjember



Humas UM Jember

www.unmuhjember.ac.id

KNOWLEDGE MORALITY CIVILIZATION