

# Systems Thinking

2025.01.04 - Elite Circle Global Team



# Bismillah. Sambil menunggu... nonton, yuk!



Systems Thinking! (5 menit)

<https://s.id/videonunggu1>



In A World of Systems (10 menit)

<https://s.id/videonunggu2>

Siapkan kertas  
kosong & pulpen  
untuk corat coret!

# Diagram Sebab-Akibat

Alat Kita di Sesi Ini



## Variabel

Sesuatu yang memiliki kondisi yang bisa diubah

## Relasi

"sebab akibat"  
atau memengaruhi

## Variabel Lain

Sesuatu yang menerima akibat, yang berubah kondisinya

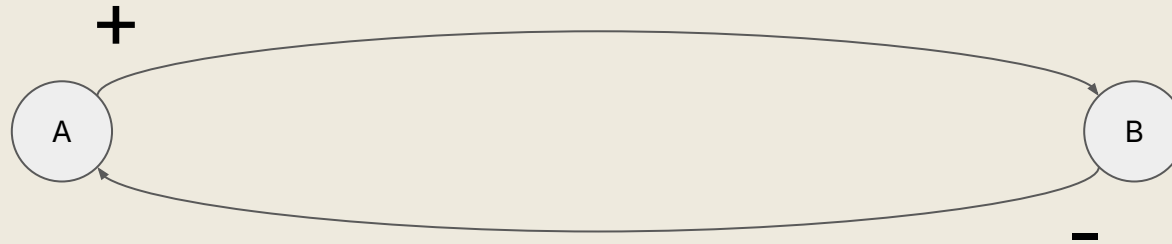
# Diagram Sebab-Akibat



## Loop

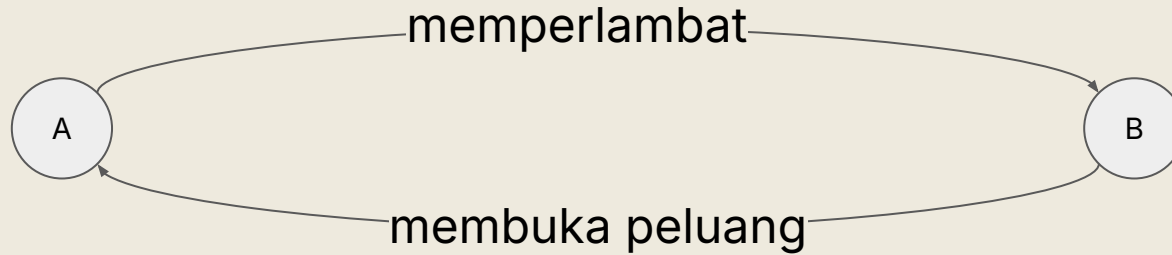
Variabel yang saling  
memengaruhi

# Diagram Sebab-Akibat



**Positif/Negatif**  
"Arah" dari relasi

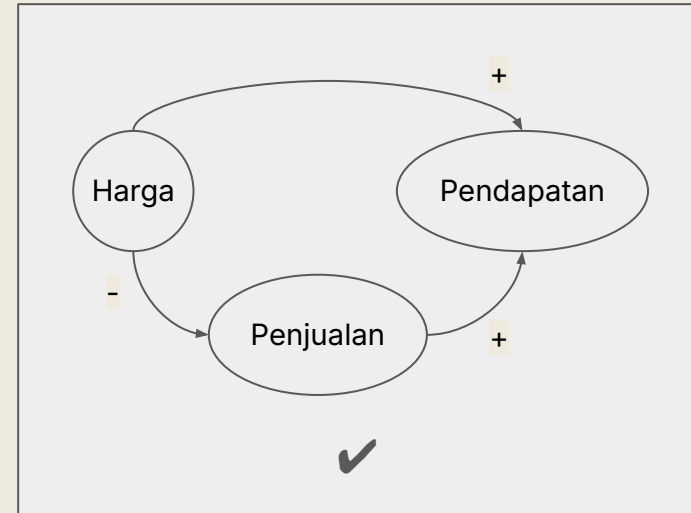
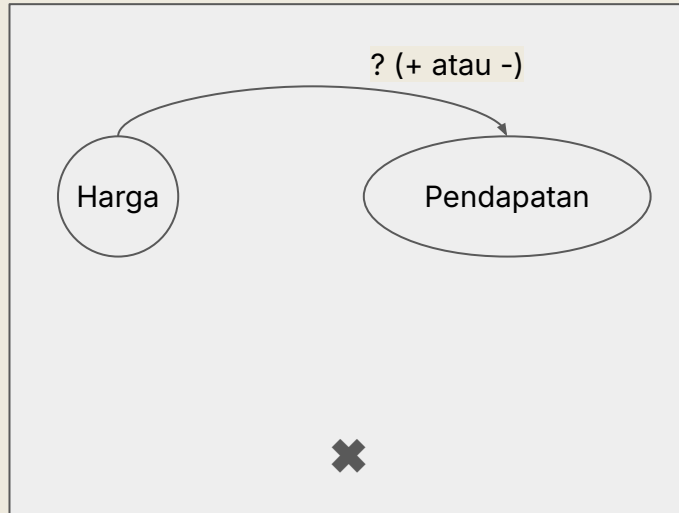
# Diagram Sebab-Akibat



## Label Relasi

kadang relasi tidak harus kaku +/-

# Contoh: Mikroekonomi



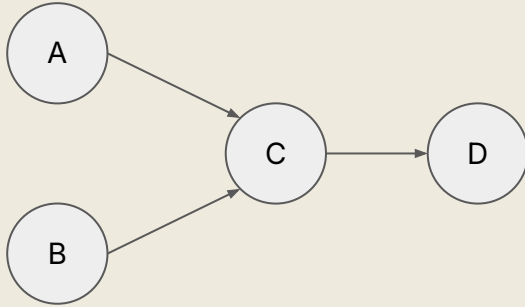
## Tentang Kausalitas...

فَالِقُ الْإِصْبَاحِ وَجَعَلَ اللَّيْلَ سَكَنًا  
وَالشَّمْسَ وَالْقَمَرَ حُسْبَانًا  
ذَٰلِكَ تَقْدِيرُ الْعَزِيزِ الْعَلِيمِ

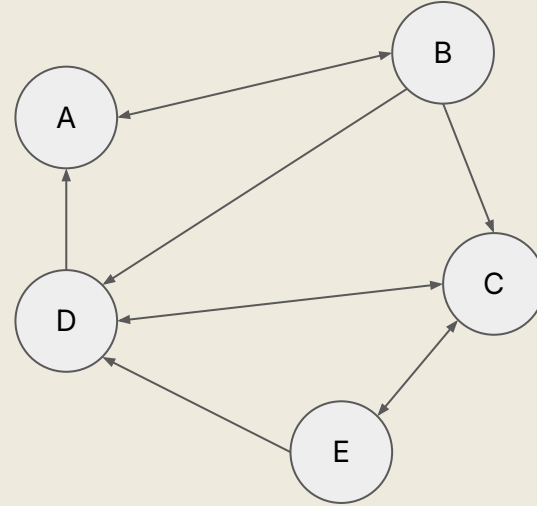
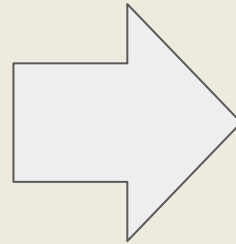
Dia menyingsingkan pagi dan menjadikan malam untuk beristirahat,  
dan (menjadikan) matahari dan bulan untuk perhitungan.  
Itulah ketetapan Allah Yang Mahaperkasa, Maha Mengetahui.

Q.S. Al-An'am 6: 96





**Linear/  
Event-Driven  
Thinking**



**Systems  
Thinking**

**When you see the whole, you can stop reacting to events and start forming the future.**

Sehingga...

مِنْ حُسْنِ إِسْلَامِ الْمَرْءِ تَرْكُهُ مَا لَا يَغْنِيهِ

Di antara kebaikan Islam seseorang adalah  
meninggalkan hal yang tidak bermanfaat.

Hadits Arba'in An-Nawawi Nomor 12

Review RKU dalam 5C

**C**onsciousness

**C**ontribution

**C**apacity

**C**areer

**C**ommunity



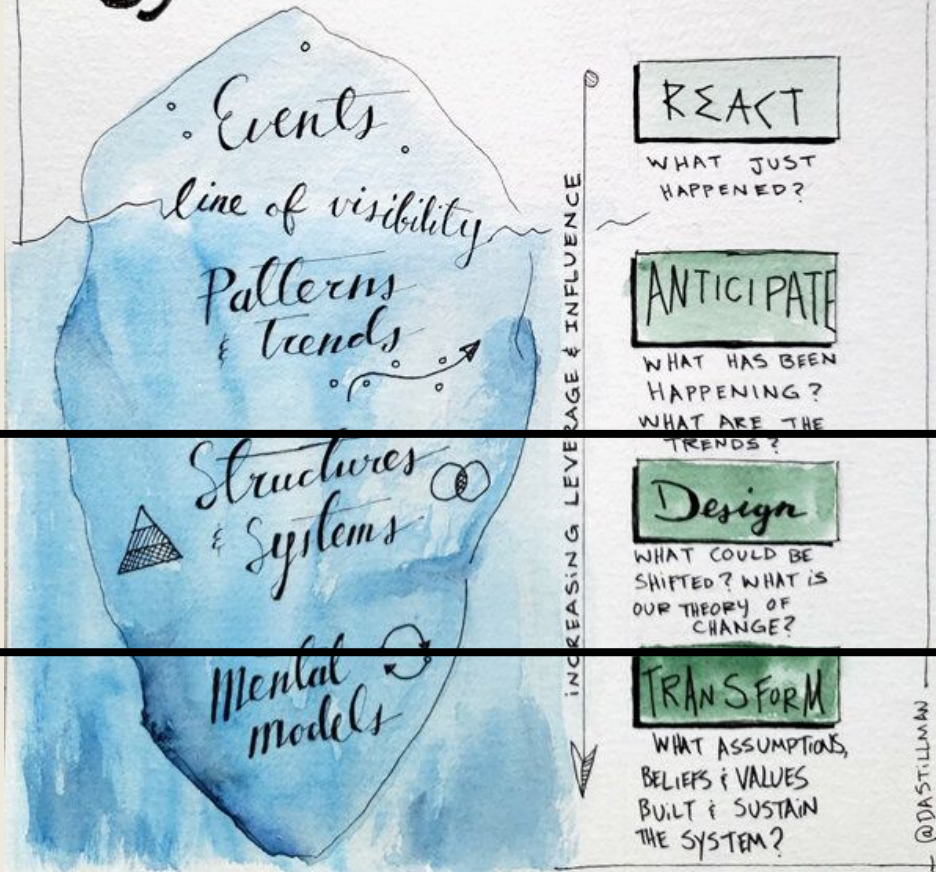
**Begin with consciousness,  
build capacity,  
create contributions,  
chart your career,  
enrich your community  
- this is how personal purpose becomes  
collective progress.**

**Apa rintangan terbesar  
antara kamu dengan  
kontribusi unggulannya?**

**(2 Menit)**

**Jawab dengan 1-2 kalimat.**

# SYSTEMS THINKING ICEBERG



1. Awalnya bersemangat dengan RKU
2. Akhirnya kesulitan dalam penerapannya
3. Beberapa menjadi putus asa
4. Kemajuan yang tidak konsisten terhadap tujuan

→ Tantangan implementasi

- Fokus pada perilaku individu tanpa dukungan sistemik
- Kesulitan mempertahankan momentum dari waktu ke waktu

→ Kesenjangan antara pemahaman dan eksekusi

- Tidak adanya mekanisme umpan balik u/ melacak kemajuan
- Kurangnya hubungan antara tindakan harian dan visi akhir

→ Sistem pendukung yang terbatas

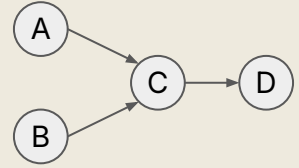
Training EC Stage I 🔥  
Training EC Stage II 🤖  
Training RKU Mastery 💪

# SYSTEMS THINKING ICEBERG

Events  
line of visibility

**REACT**

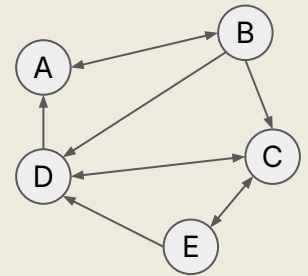
WHAT JUST HAPPENED?



Patterns & Trends

**ANTICIPATE**

WHAT HAS BEEN HAPPENING?  
WHAT ARE THE TRENDS?



Structures & Systems

**Design**

WHAT COULD BE SHIFTED?  
WHAT IS OUR THEORY OF CHANGE?

Mental models

**TRANSFORM**

WHAT ASSUMPTIONS, BELIEFS & VALUES BUILT & SUSTAIN THE SYSTEM?

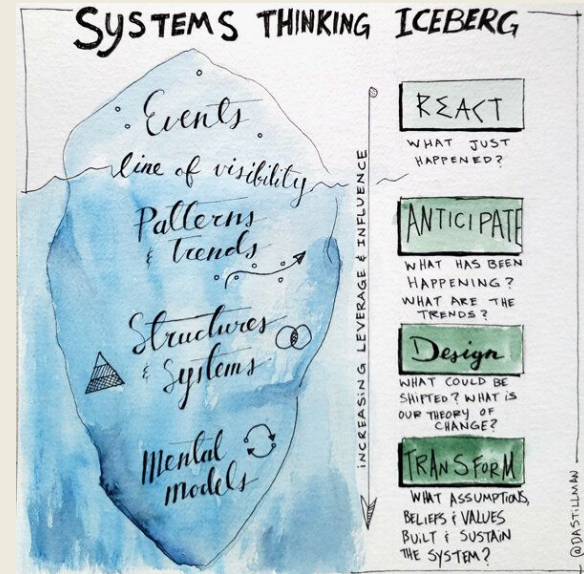
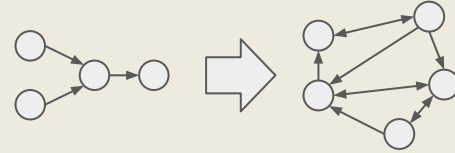
INCREASING LEVERAGE & INFLUENCE

@DASTILLMAN

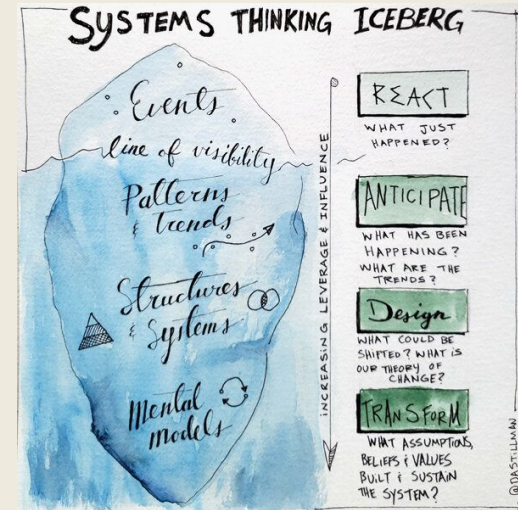


# Review Time!

1. Foundation of Systems Thinking
2. RKU: The Five C's Framework
3. Levels of Perspective (Iceberg Model)



“What lies beneath the surface shapes everything above. Like faith in the heart, it may be invisible but moves mountains.”



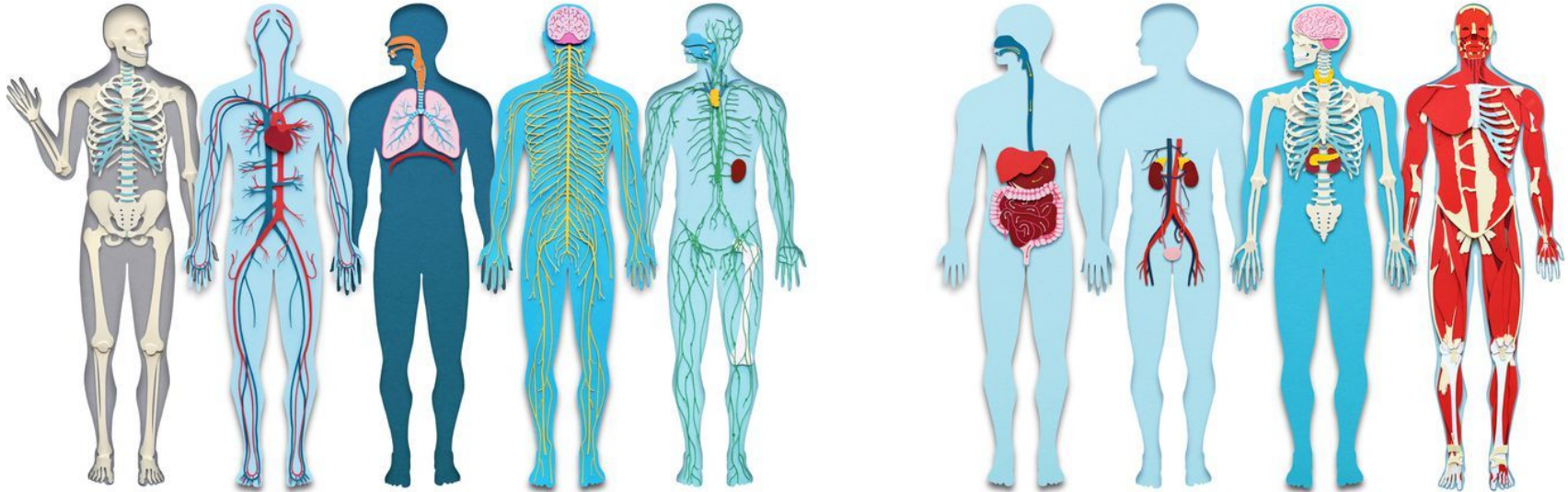
# Definisi dan Batasan Sistem

Definition

Boundary



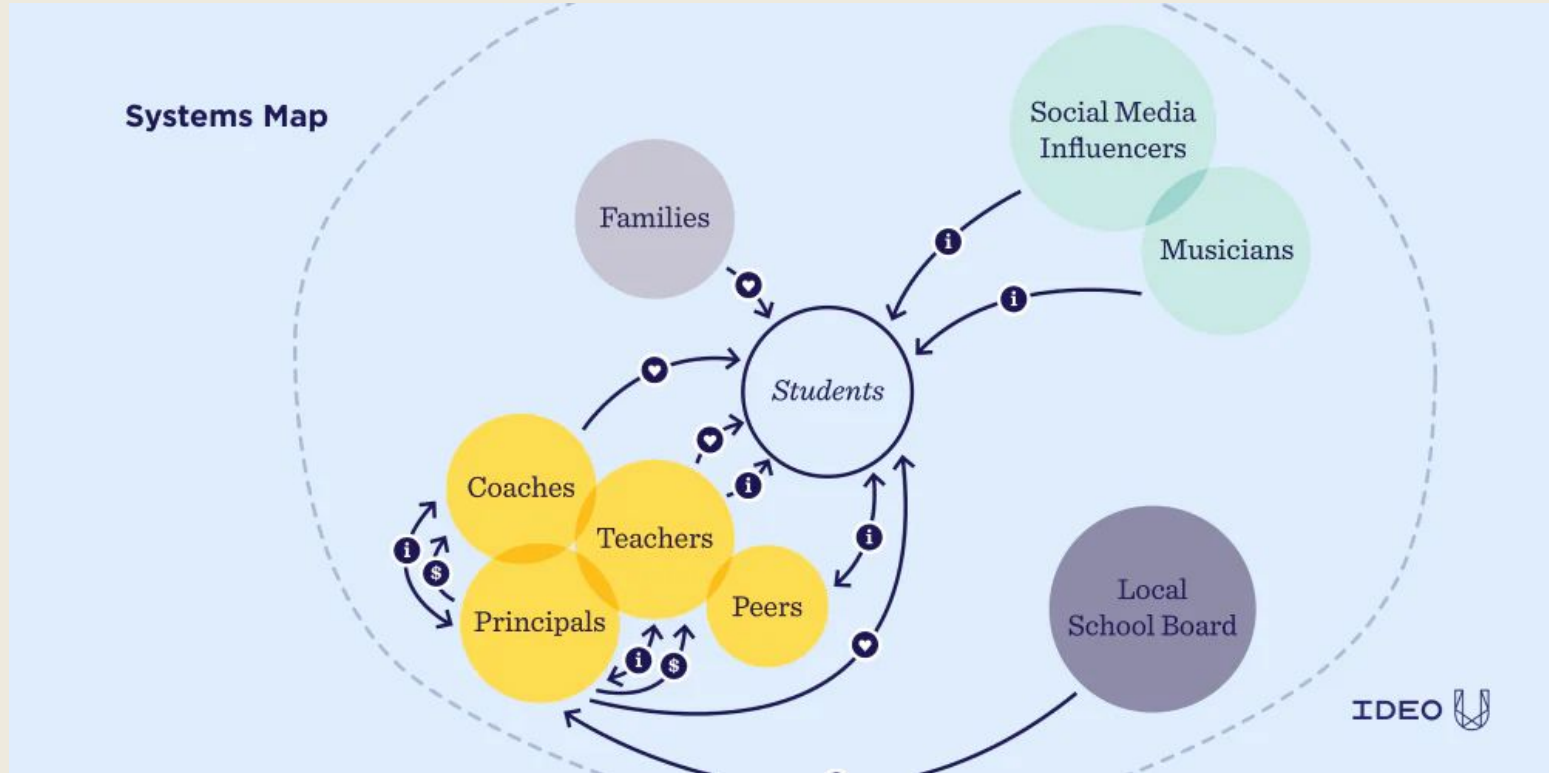
# Sistem Dalam Tubuh Manusia



# Definisi Sistem ~ Tujuannya

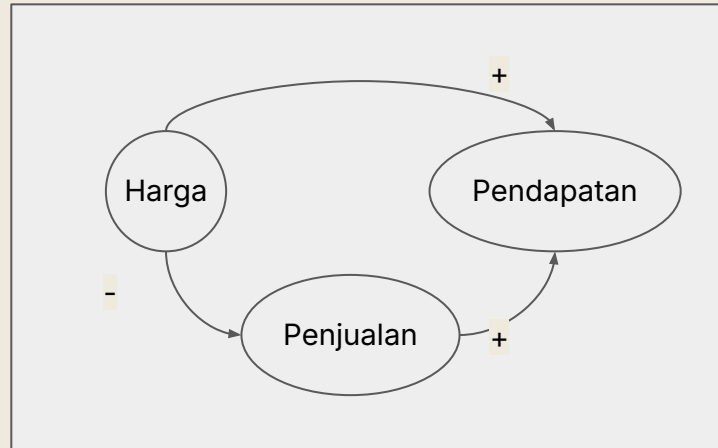


# Sistem Sekolah - Abad 21

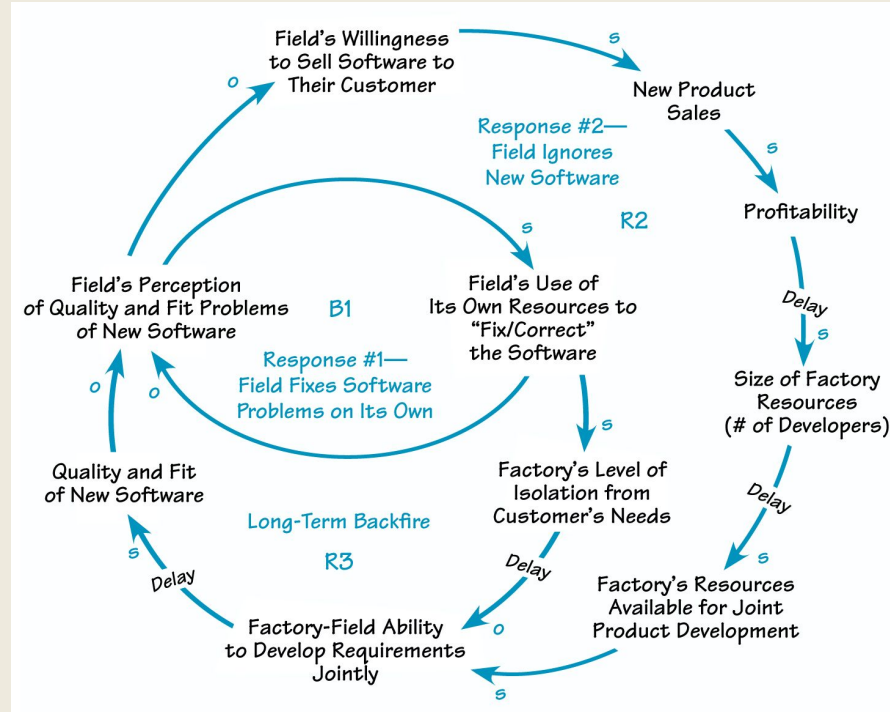




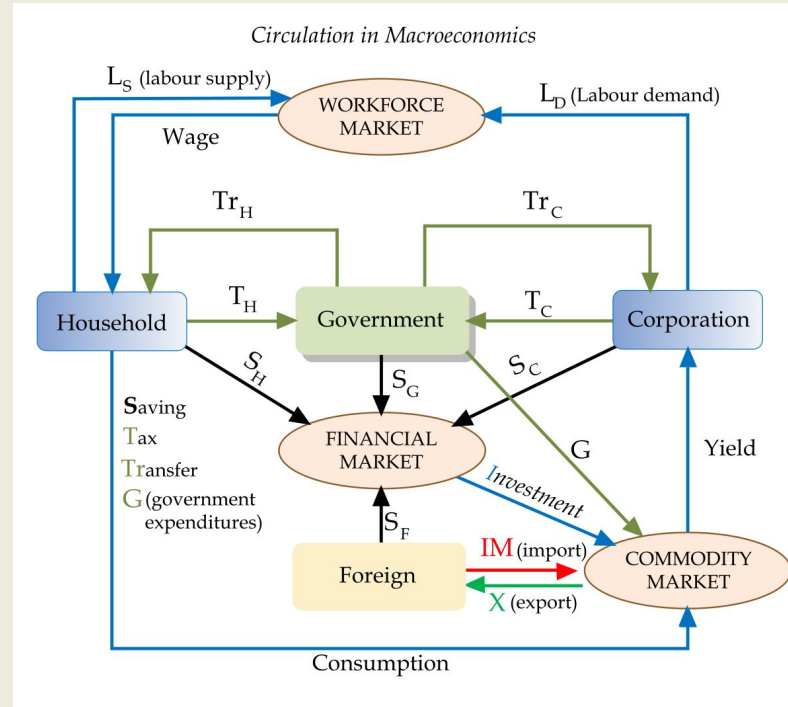
# Sistem Mikroekonomi



# Sistem Mikroekonomi | Lebih Komprehensif



# Sistem Makroekonomi | Zoom Out



Yang Menentukan

**Batasan Sistem**

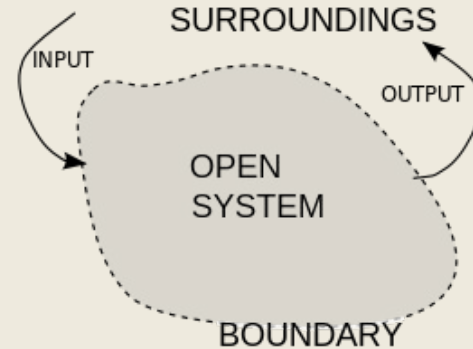
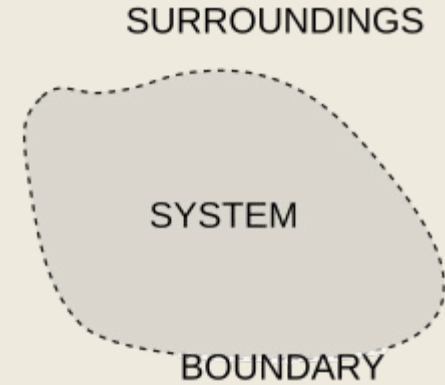
• **Tujuan Praktis**

• **Konseptual**

• **Tauhidik/Ontologis**

Interaksi pada

# Batasan Sistem



# Tips Menentukan Boundary dari Sistem

- Cukup luas untuk mencakup penyebab dan akibat yang relevan
- Cukup sempit untuk tetap dapat dikelola
- Cukup fleksibel untuk disesuaikan seiring dengan bertambahnya pemahaman kita
- Sejalan dengan tujuan dan nilai-nilai kita

## Tips Menentukan Boundary dari Sistem (Contoh)

Misalnya, saat merancang sistem produktivitas pribadi, kita mungkin memulai dengan batasan seputar rutinitas kerja harian kita.

Namun, jika kita melihat bahwa hubungan keluarga berdampak signifikan pada produktivitas kita, kita perlu memperluas batasan tersebut agar mencakup hubungan tersebut.

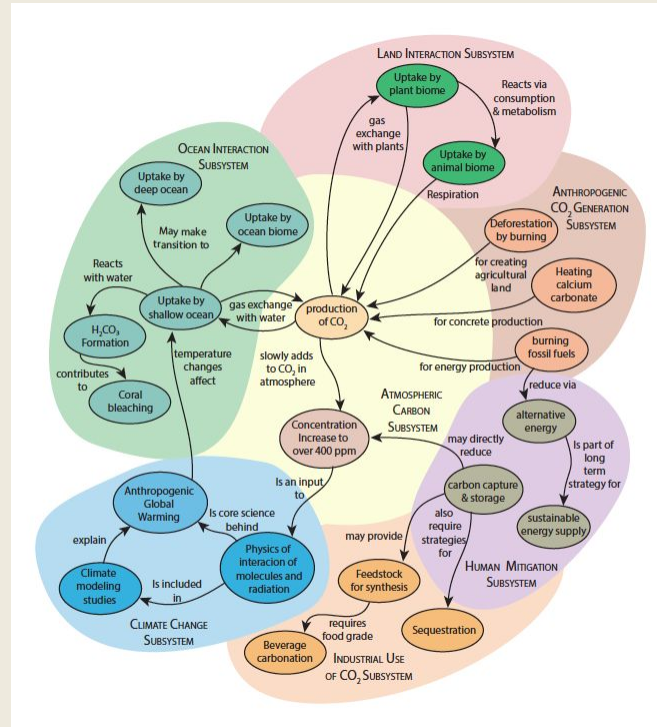
Demikian pula, jika kondisi spiritual kita memengaruhi efektivitas kita, batasan tersebut harus mencakup praktik spiritual kita.

“Know your circle of influence,  
but remember your circle of  
concern - wisdom lies in  
understanding the difference.”

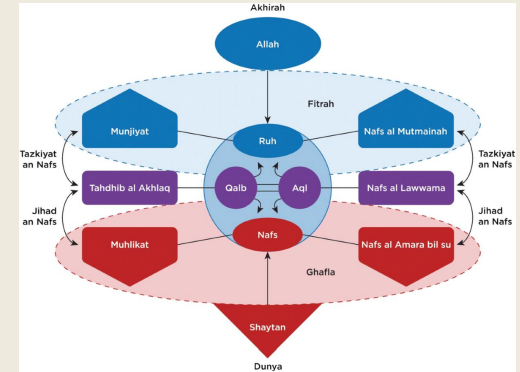




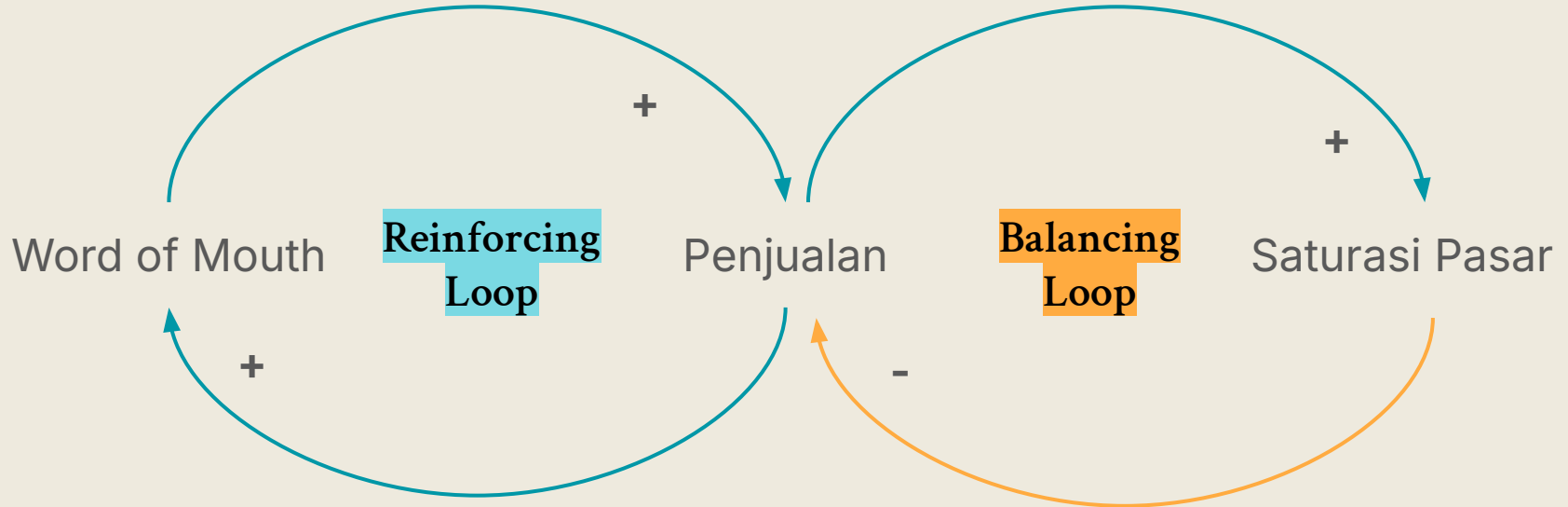
# Sistem Tanah, Udara, Laut, ... | Interaksi Antara Sistem



“As organs serve the body,  
and the body serves the soul,  
each system plays its part  
in the greater whole.”



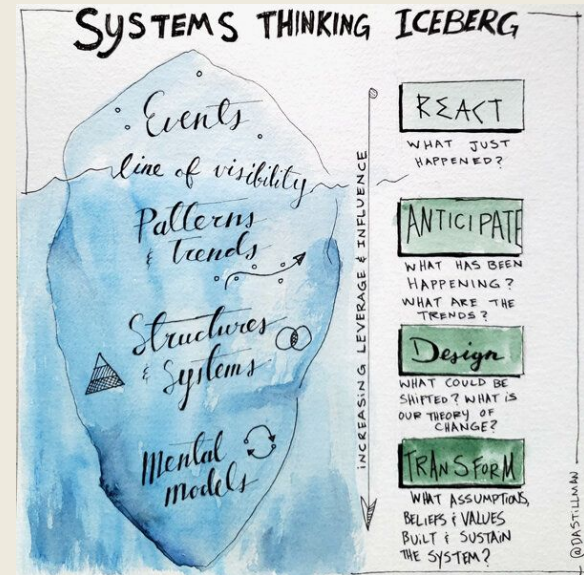
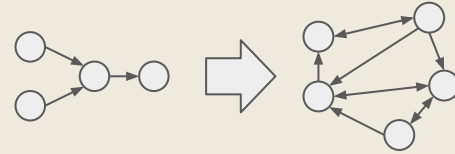
## Ciri Khas Sistem: *Feedback Loop*



**“Every action returns to its source  
- sometimes to reinforce,  
sometimes to balance.  
This is the dance  
of cause and effect.”**

# Review Time!

1. Foundation of Systems Thinking
2. RKU The Five C's Framework
3. Levels of Perspective (Iceberg Model)
4. System Boundaries
5. Subsystems, Multiple Systems
6. Feedback Loops (R/B)



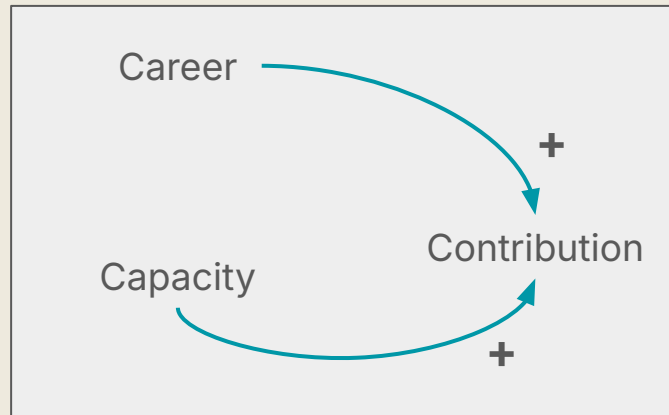
# Latihan:

## Seperti apa sistem RKU-mu?

Ingat 5C: Consciousness, Capacity, Career, Contribution, Community

(5 menit)

Bisa mulai dari:



**Time's up!**

**Foto sketsamu dan bagikan ke grup Global Team!**



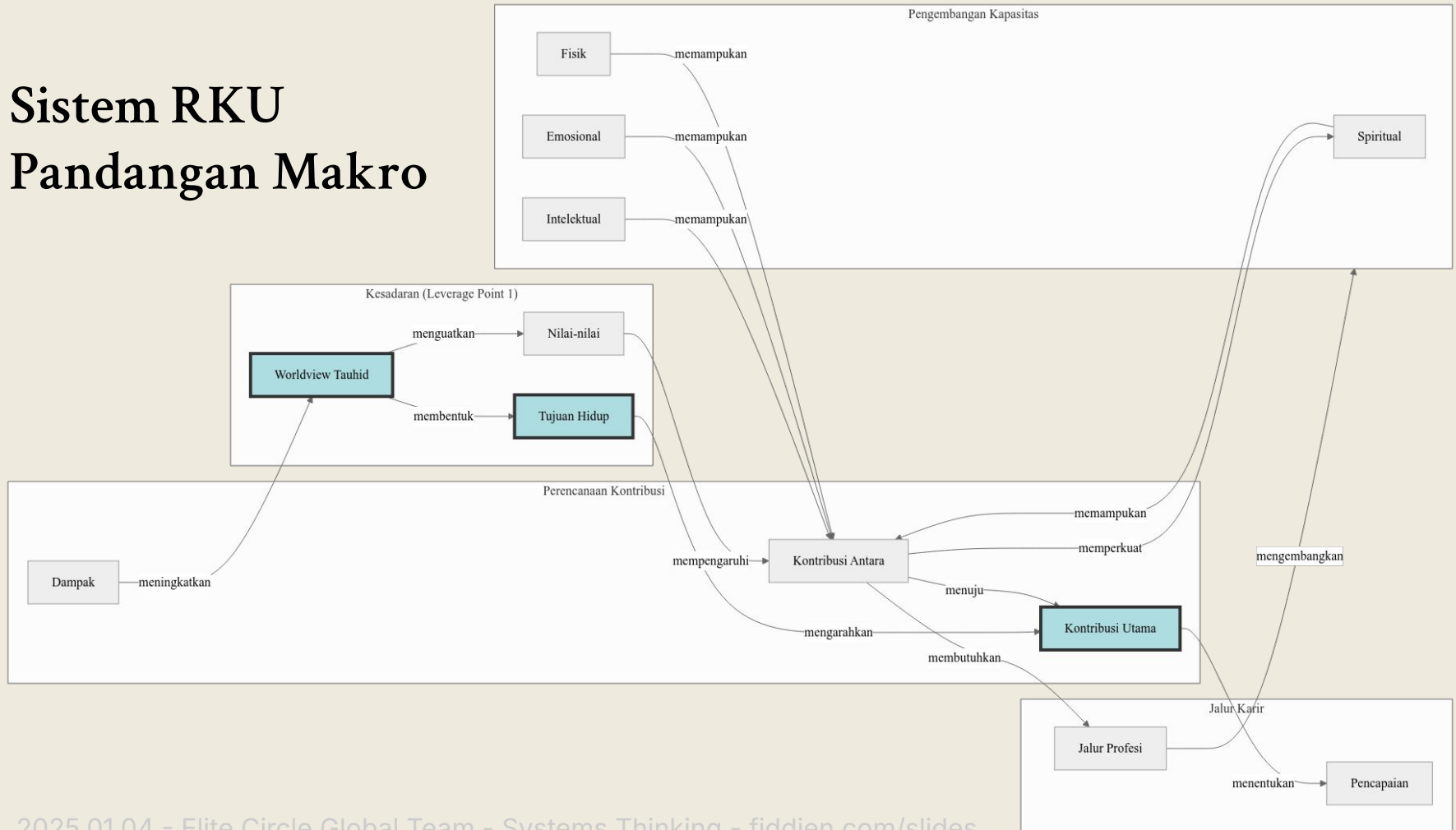
# Systems Thinking

## Diaplikasikan ke Framework RKU

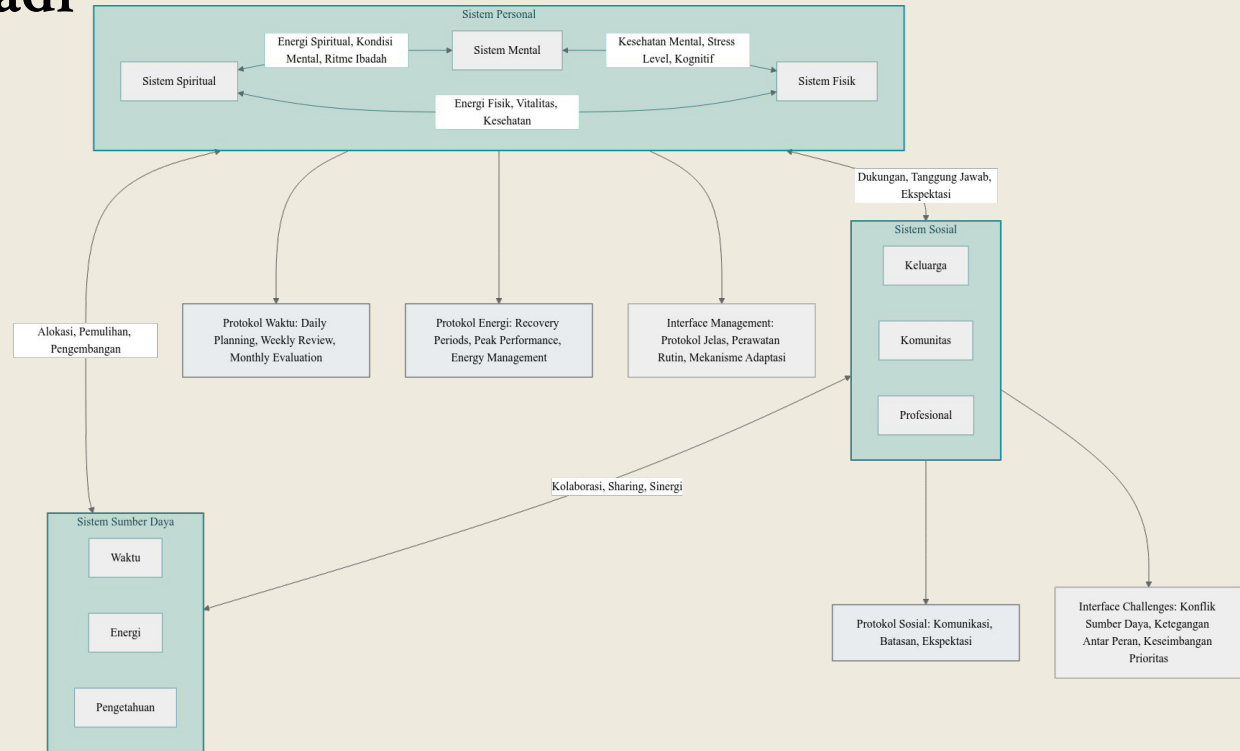


# Sistem RKU

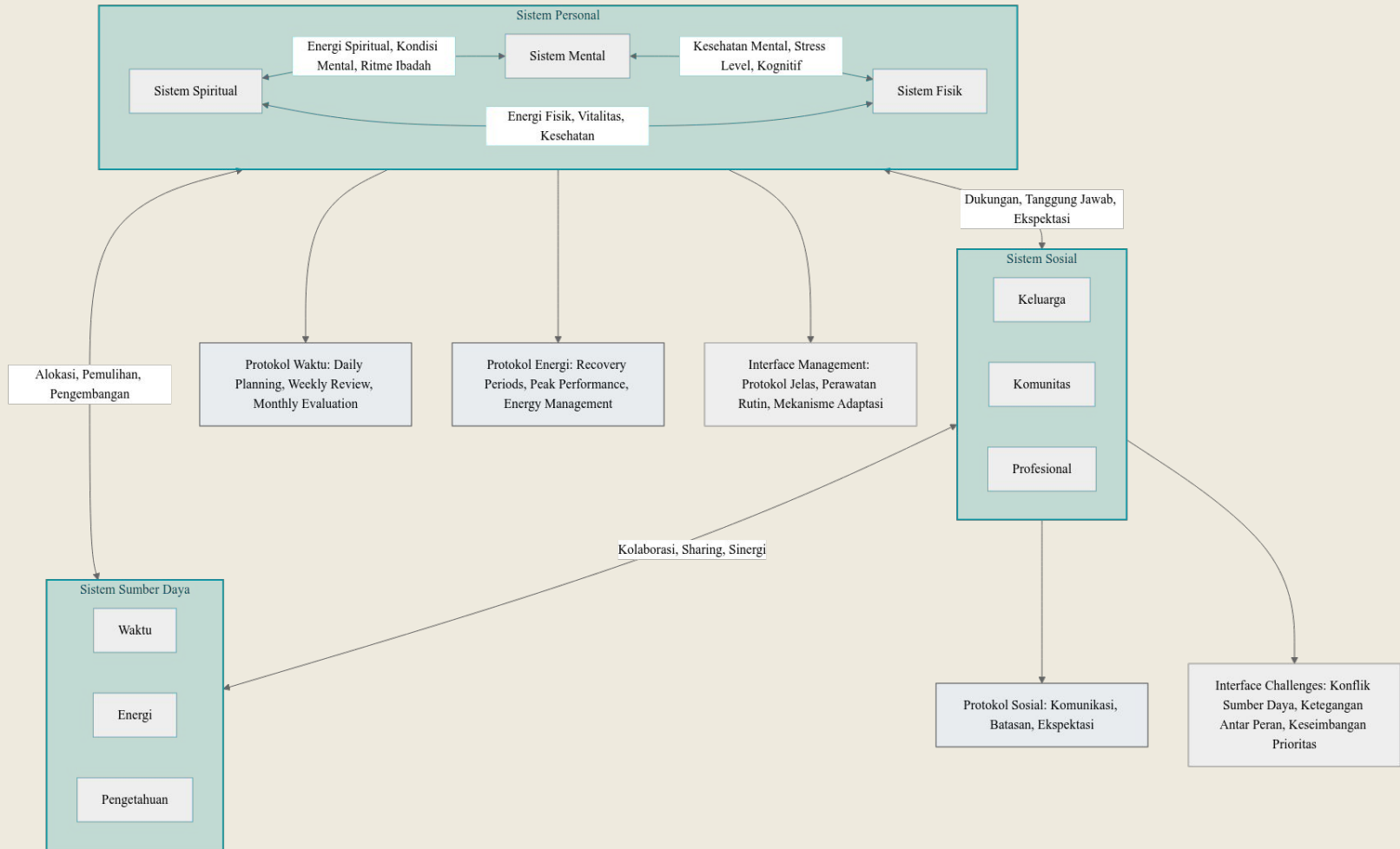
## Pandangan Makro



# Antarmuka Sistem dalam Pengembangan Pribadi



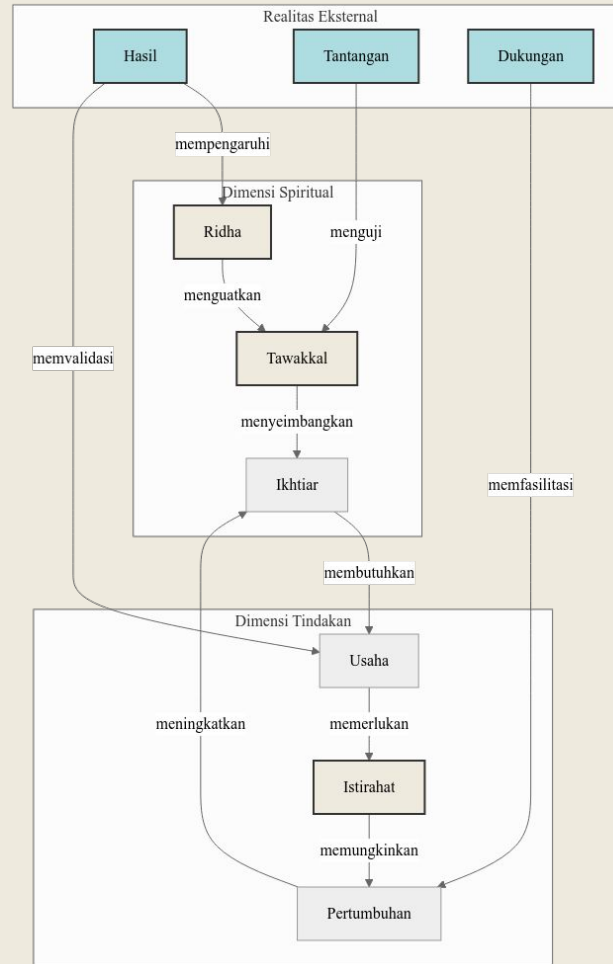
## System Interfaces



**“Where systems meet, wisdom grows.  
Like where fresh and saltwater merge,  
yet each maintains its essence.”  
(inspired by Quran 25:53)**

# Dinamika Penyeimbang dalam Sistem RKU

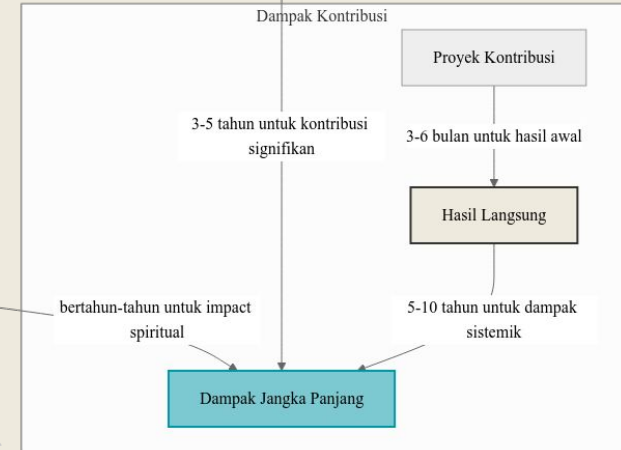
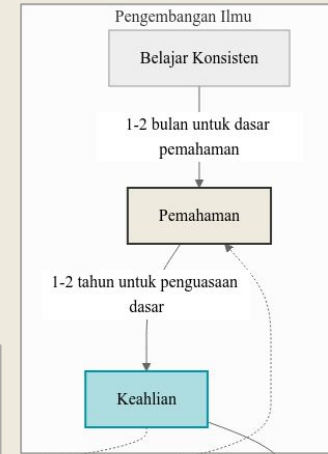
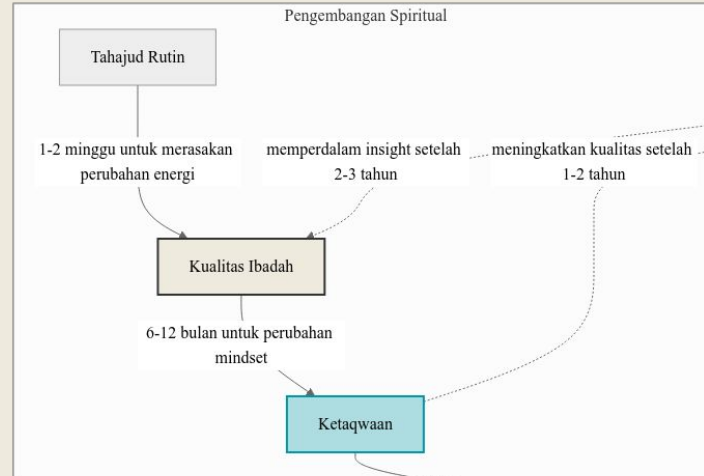
## Balancing Dynamics



**“Between fear and hope,  
between planning and trust,  
between effort and acceptance -  
there lies the path of wisdom.”**



# Waktu Tunggu dalam Implementasi Sistem RKU

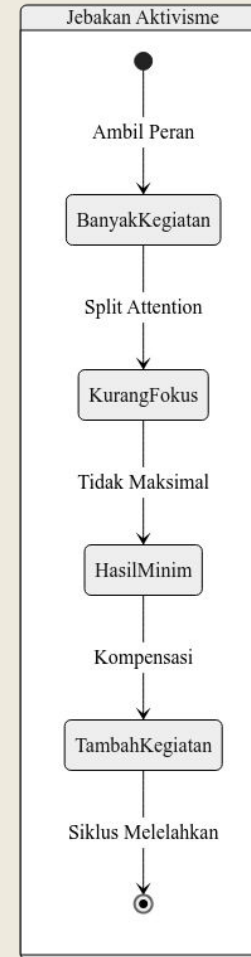
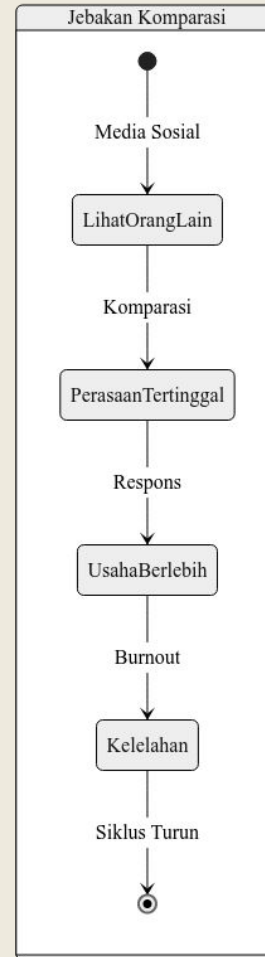
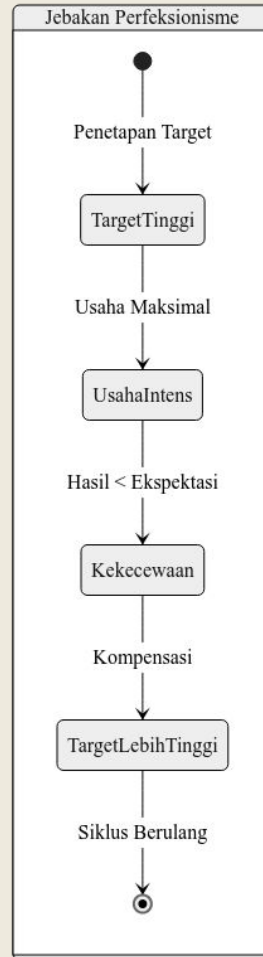


## Delays

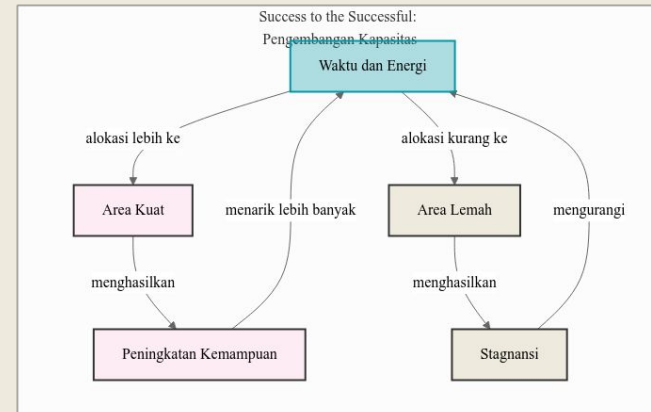
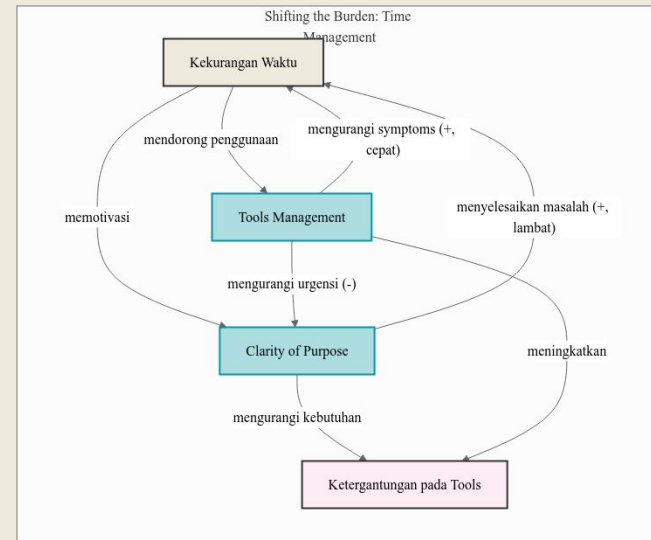
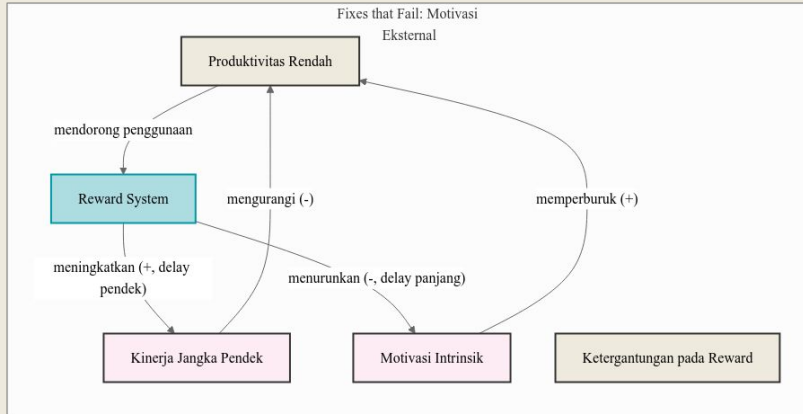
**“Plant the seed with patience,  
tend it with consistency, and  
trust in the natural timing  
of growth.”**

# Jebakan Sistem dalam RKU !!

## System Traps



# Arketip dalam Sistem RKU !!

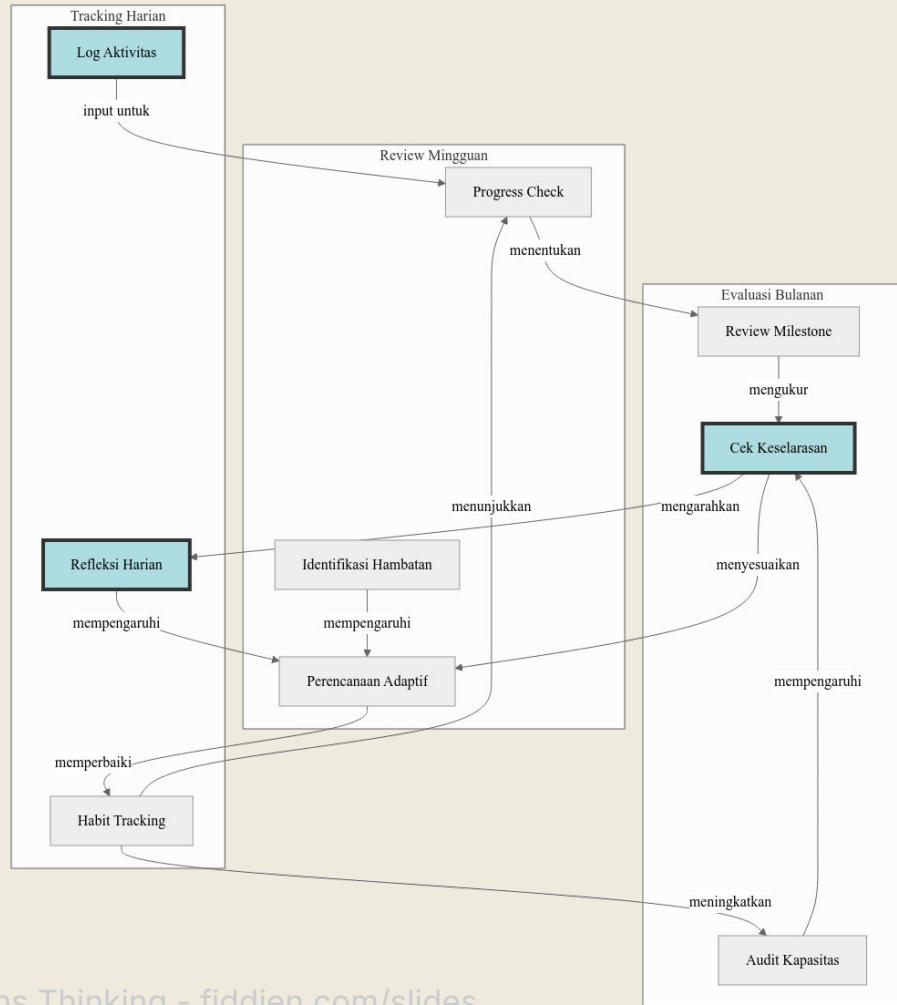


## System Archetypes

**“History repeats its lessons  
not because we don't learn,  
but because we don't recognize  
the pattern.”**

# Sistem Tracking Implementasi RKU

## Leverage Point



# Leverage Point

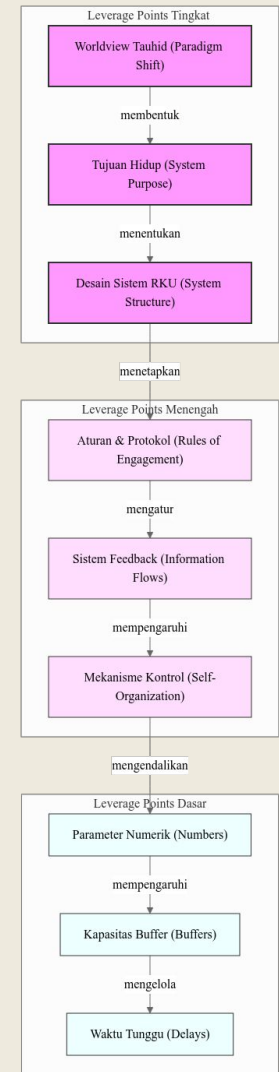
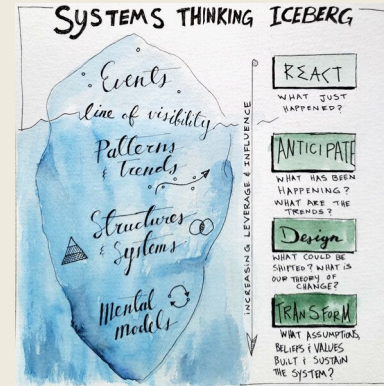
"Places in a system where a small change can lead to a large shift in behavior"

– Donella Meadows

Hierarki dari paling lemah ke paling kuat:

Numbers → Parameters → Buffers  
→ Structure → Rules → Goals → Paradigms

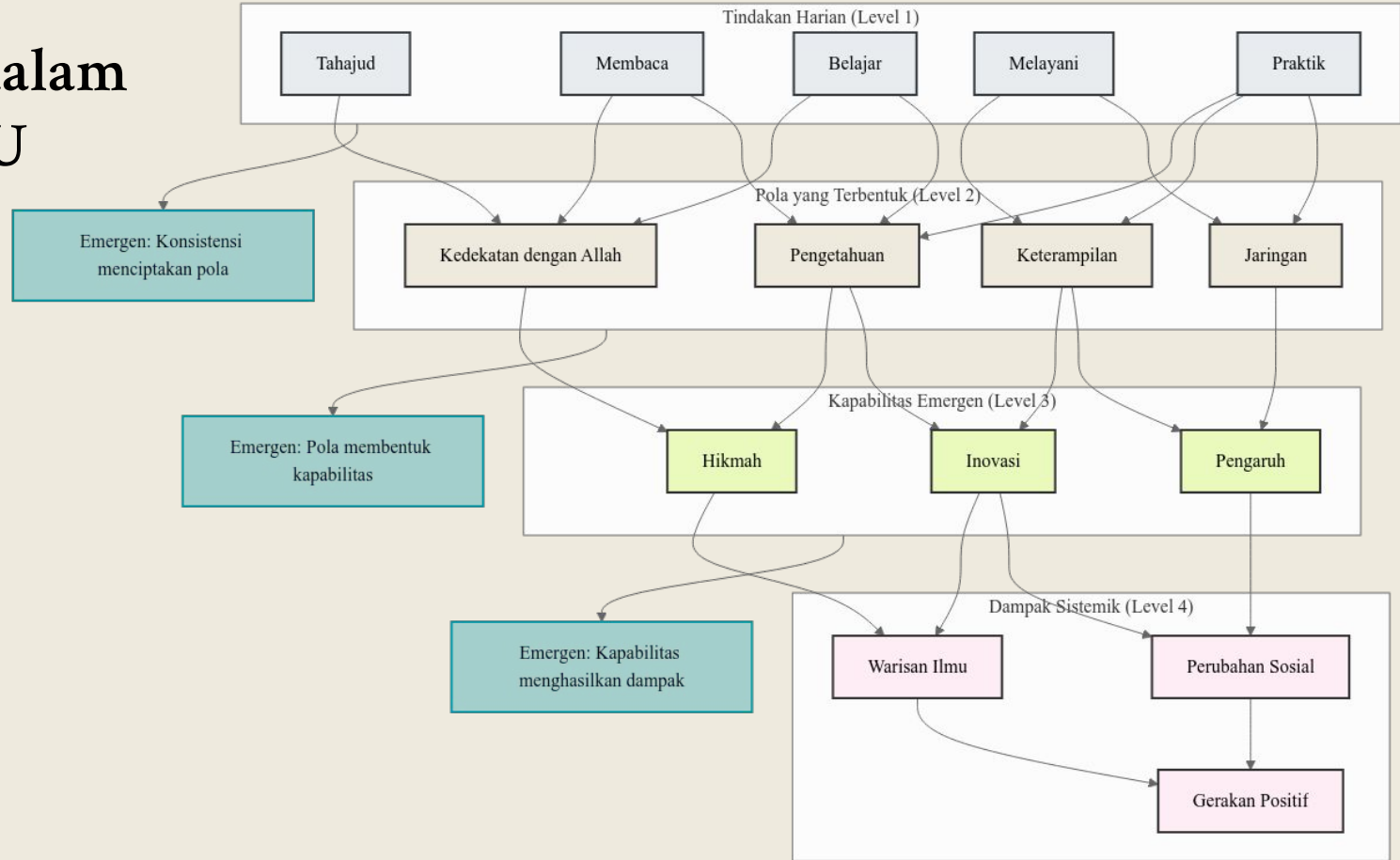
Implementasi di RKU:



**“Measure what matters,  
but remember - not  
everything that matters  
can be measured.”**



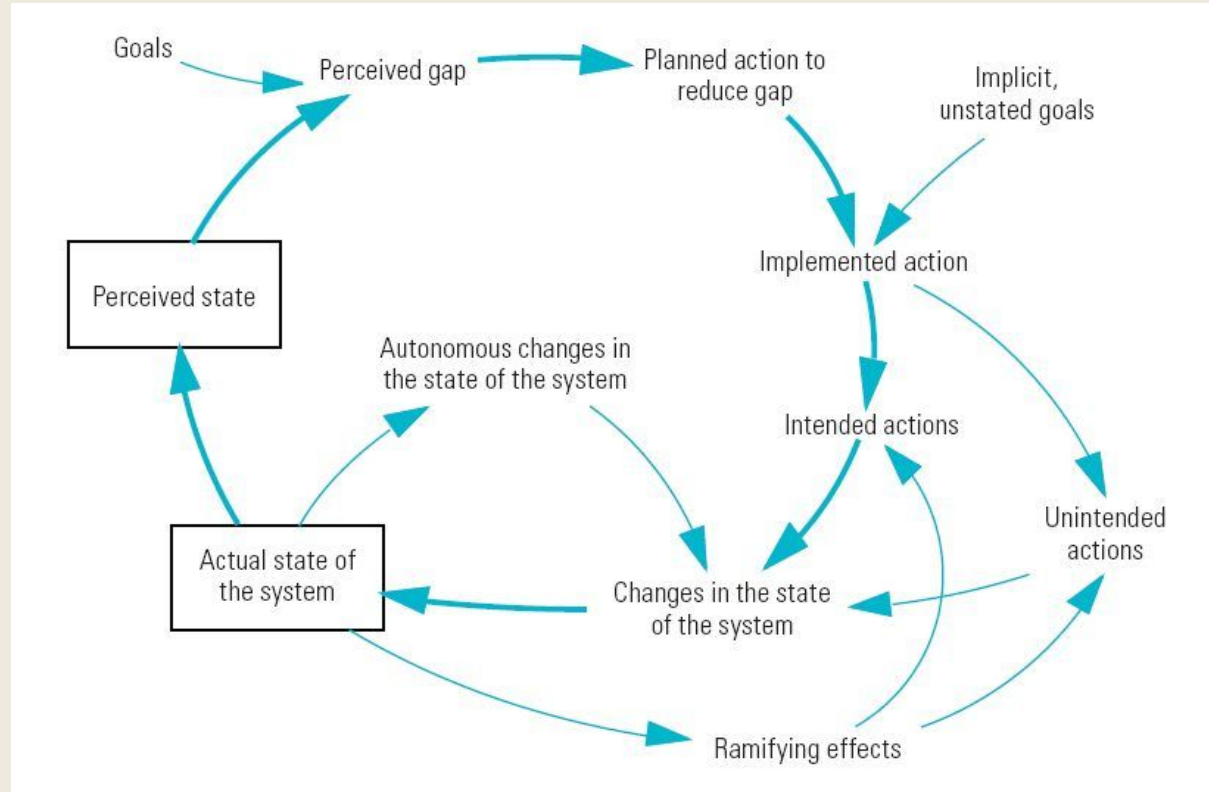
# Emergence dalam Sistem RKU



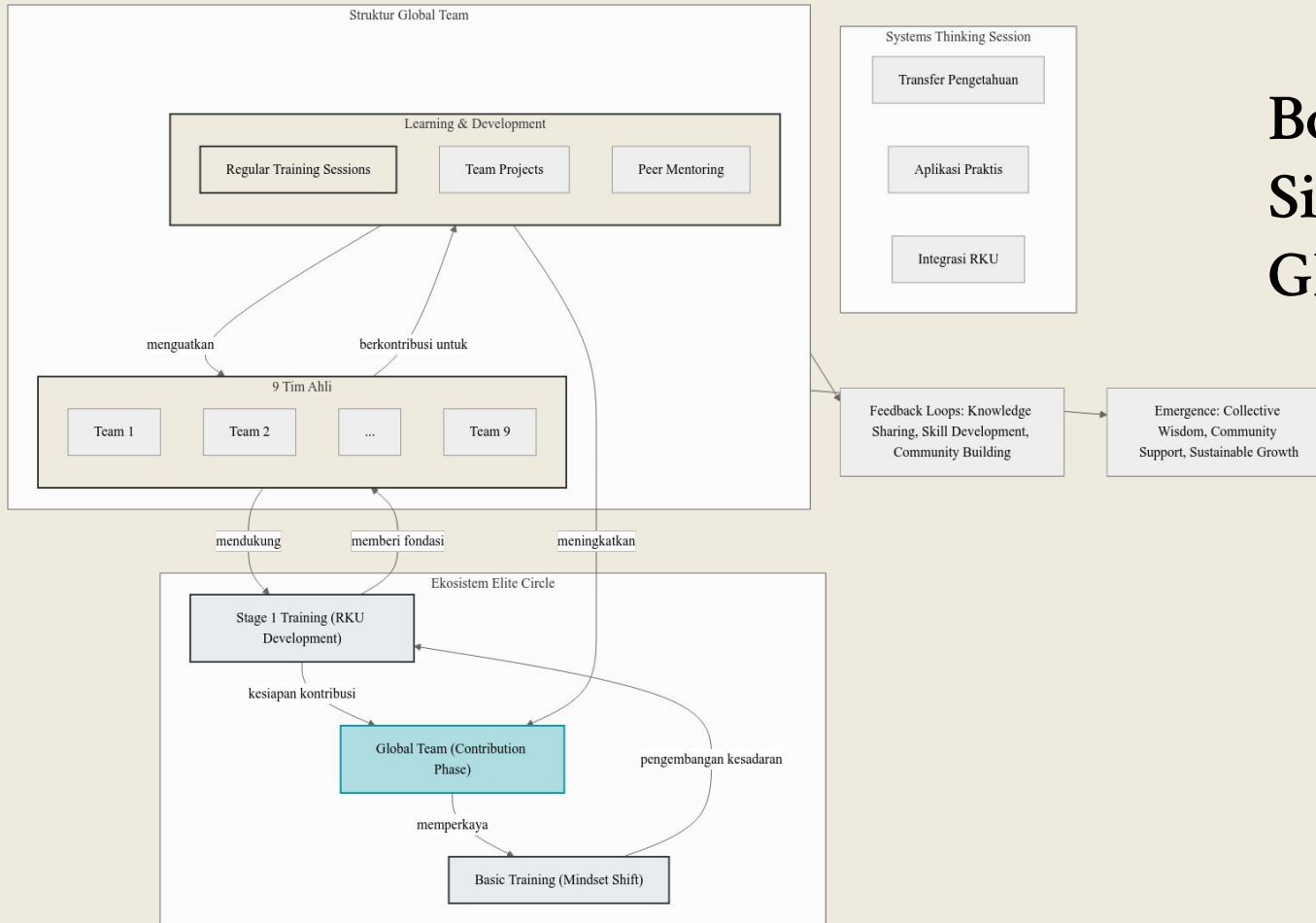
## Emergence

“From individual prayers  
emerges a congregation,  
from individual actions  
emerges a movement,  
from individual changes  
emerges transformation.”

# Sistem dalam Perubahan Melalui Systems Thinking...

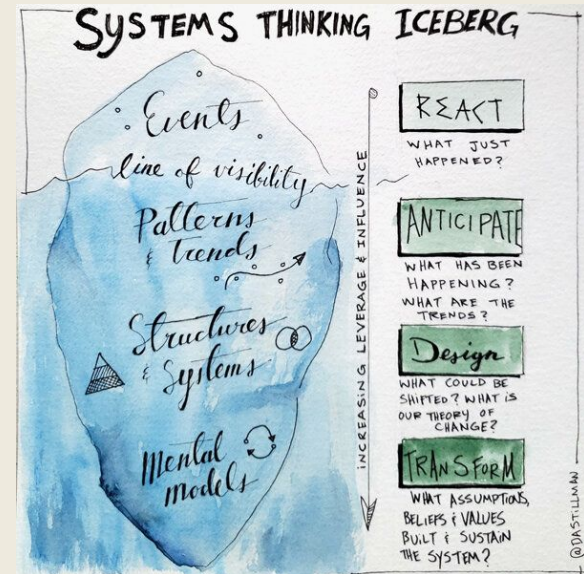
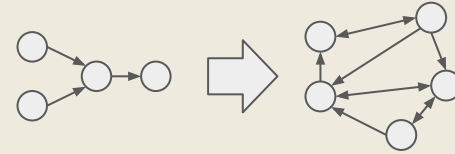


# Bonus: Sistem Global Team



# Review Time!

1. Foundation of Systems Thinking
  2. RKU The Five C's Framework
  3. Levels of Perspective (Iceberg Model)
  4. System Boundaries
  5. Subsystems, Multiple Systems
  6. Feedback Loops (R/B)
  7. System Interfaces
  8. Balancing Dynamics
  9. Delays
  10. System Traps
  11. System Archetypes
  12. Tracking System/Implementation
  13. Leverage Points
  14. Emergence
  15. Change Process
- + Integration with Islamic Principles



**Pola sistem apa yang  
akan kamu perhatikan  
di pekan ini?**

**PR #1:**

**Sketsakan sistem-sistem  
yang ada di tim-mu!**

**PR #2:**

**Dekomposisi kurikulum  
kapasitasmu dan buat  
sistem yang mendukung!**



# Belajar lagi...



**A Philosophical Look at System Dynamics**

 **Donella Meadows**  
6.72K subscribers

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Jelajahi > Business > Business Strategy

**Systems Thinking Basics**

Instructor: **Tayseer Almatarr**

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**coursera** Jelajahi Apa yang ingin Anda pelajari?

Jelajahi > Bisnis > Kepemimpinan dan Manajemen

**University of Colorado Boulder**

**Mengembangkan Pola Pikir Sistem**

Kursus ini adalah bagian dari **Spesialisasi Memimpin Transformasi Masyarakat yang Berkelanjutan**

Instructor: **Joel Hartter**

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**coursera** Jelajahi Apa yang ingin Anda pelajari?

Jelajahi > Kesehatan > Kesehatan Masyarakat

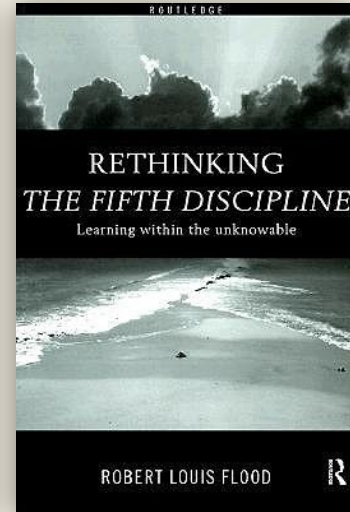
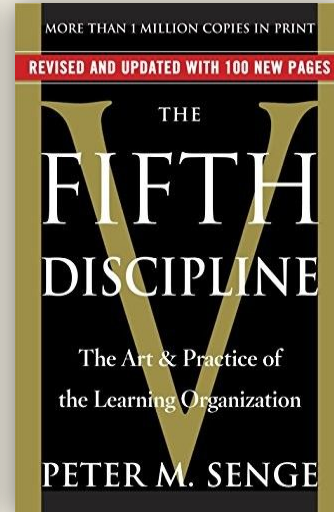
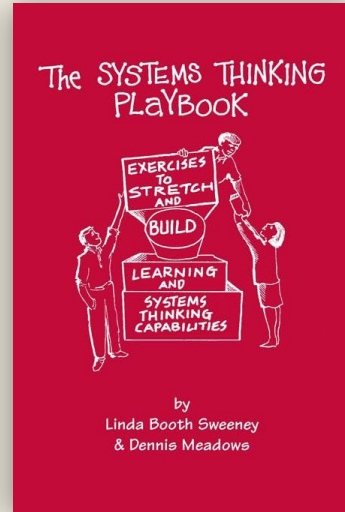
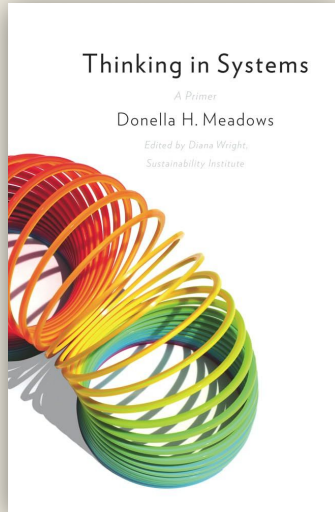
**Pemikiran Sistem dalam Kesehatan Masyarakat**

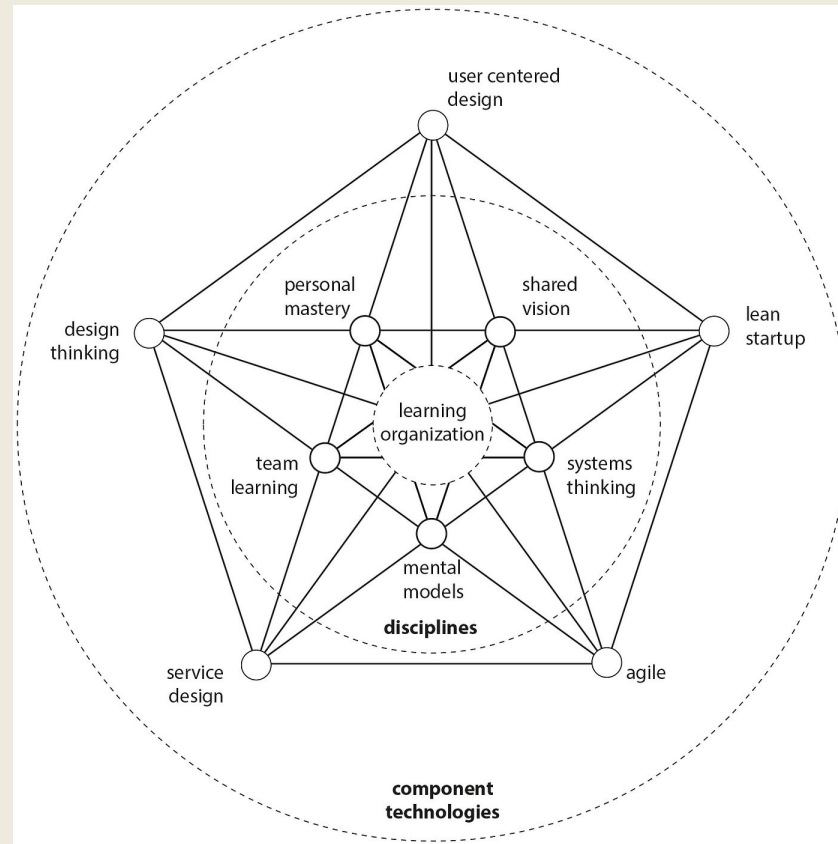
Instructors: **David Bishai, MD, PhD** +1 lagi

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# Belajar lagi...





## Senge (1980) *The Fifth Discipline*

# Pertanyaan?

