



# EXPERT SIMULATION PROGRAMME

Software for strategic design and decision priority from experts

ISM - AHP - ANP - MDS - IPA - PROSPECTIVE - SWOT - BENCHMARKING - BAYES - CPI - MPE - POLLING SYSTEM



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# DECISION MAKING SYSTEM

For The Priority of Strategy Planning, Constraints and Policies

## STRUCTURED PLANNING BASED ON PROBLEMS



All Sectors



- Strategic Planning Implementation
- Labor
- Stakeholder Needs
- Conflict of Interest

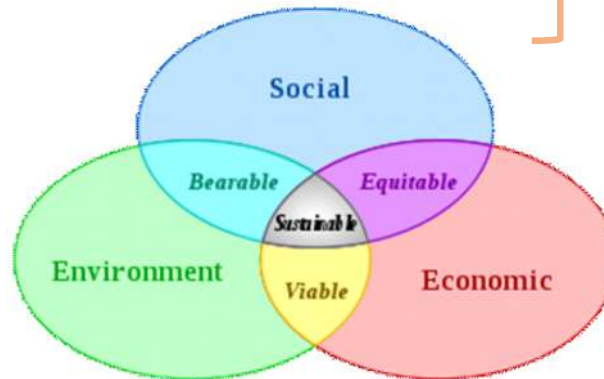


**kuantitatif**



**kualitatif**

Abstract



# ISM

## Interpretative Structural Modelling

- Abstract variable, problems, ideas, strategy and stakeholder needs
- Qualitative approach → Quantitative output
- Groups/Experts judgement (questionnaire) with pairwise comparison

Problems Mapping

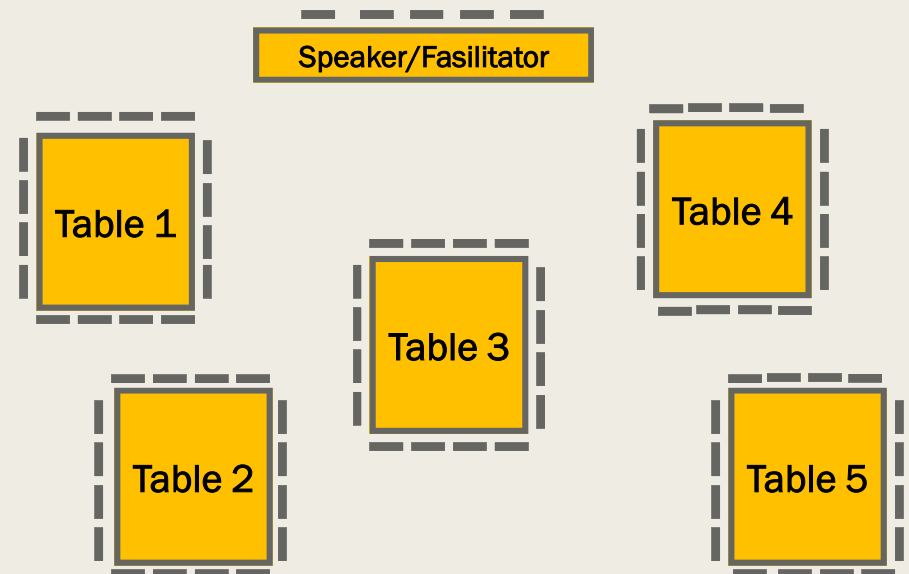
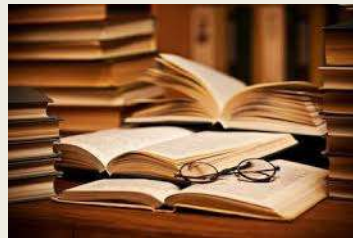
Structured Strategy



Support decision maker  
in design planning programme  
(Priority Choices)

# Abstract variable, problems, ideas, strategy and stakeholder needs

- Brainstorming
- Reference Research
- Input from Stakeholder/Experts (Indepth Interview)
- Focus Group Discussion
- World Café Method



# Experts Judgement Scoring

- After Inventory/Identification/Listing Variable
- Scoring for variable listing from experts judgement (Pairwise Comparison - Quistionaire)
- V-A-X-O approach

(V = 1 More Important than 2)

(A = 2 More Important than 1)

(X = 1 and 2, equal as important)

(O = 1 and 2, not as important, no linkage)

	1	2	3	4
1		V	V	A
2			X	V
3				O
4				

# INTERPRETATIVE STRUCTURAL MODELLING



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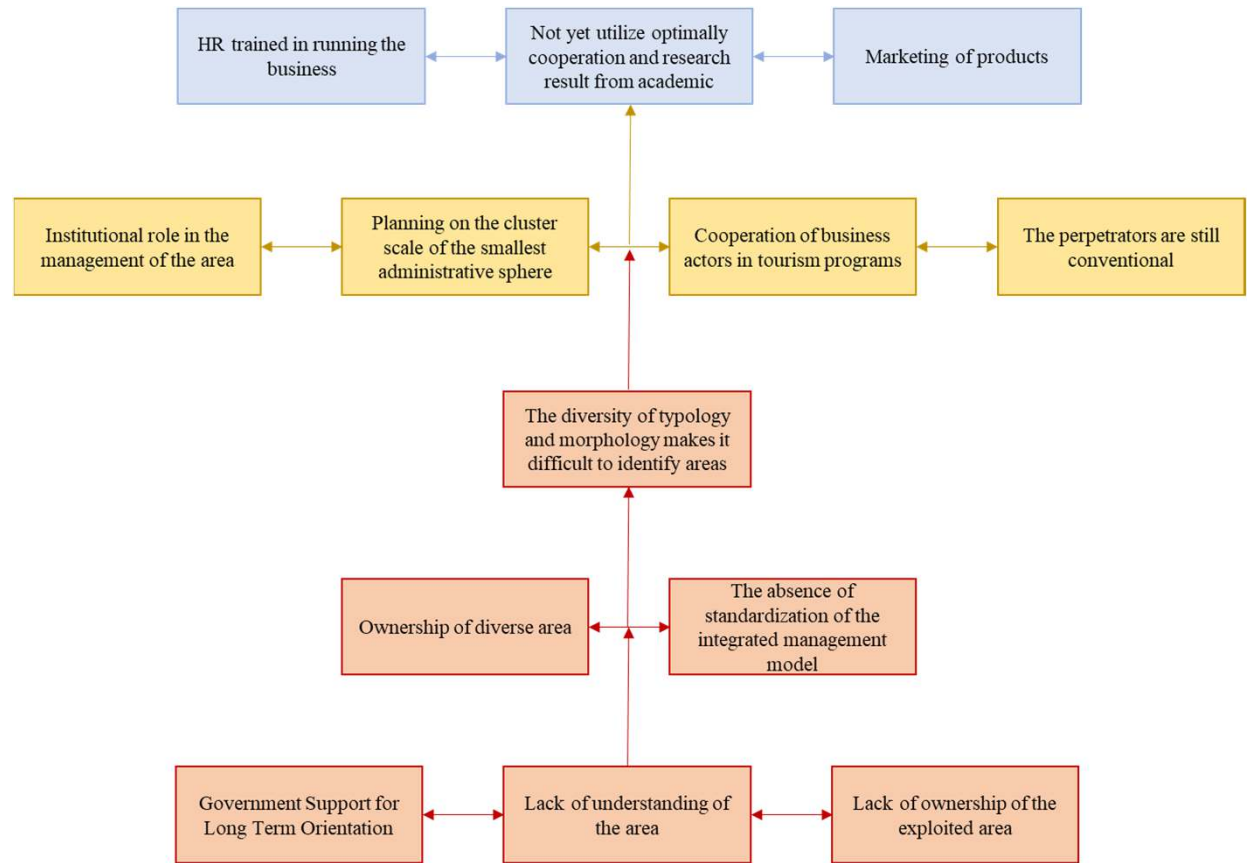
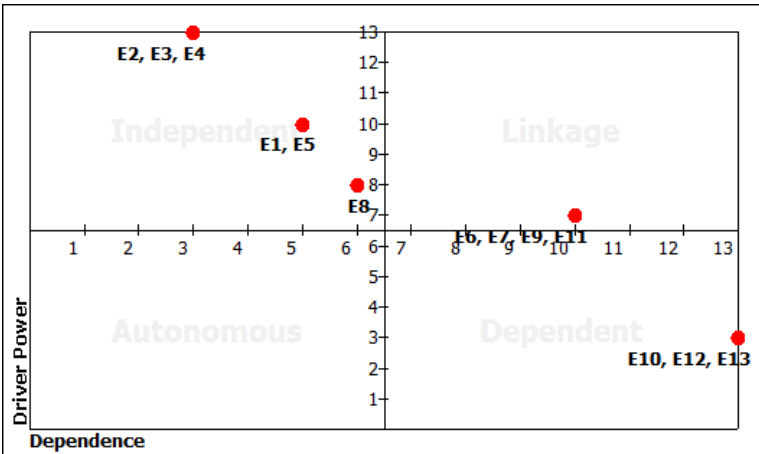
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# Constrain in Coastal Area

## Constraints in Management

1. Ownership of diverse area
2. Government support for long-term orientation
3. Lack of understanding of the area
4. Lack of ownership of the exploited area
5. The absence of standardization of the integrated management model
6. Institutional role in the management of the area
7. Planning on the cluster scale of the smallest administrative sphere
8. The diversity of typology and morphology makes it difficult to identify areas
9. Cooperation of business actors in tourism programs
10. HR trained in running the business
11. The perpetrators are still conventional
12. Not yet utilize optimally cooperation and research result from academic
13. Marketing of products

# Output ISM



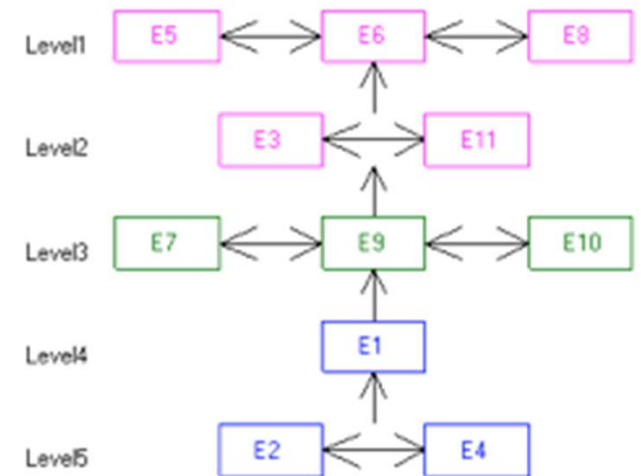
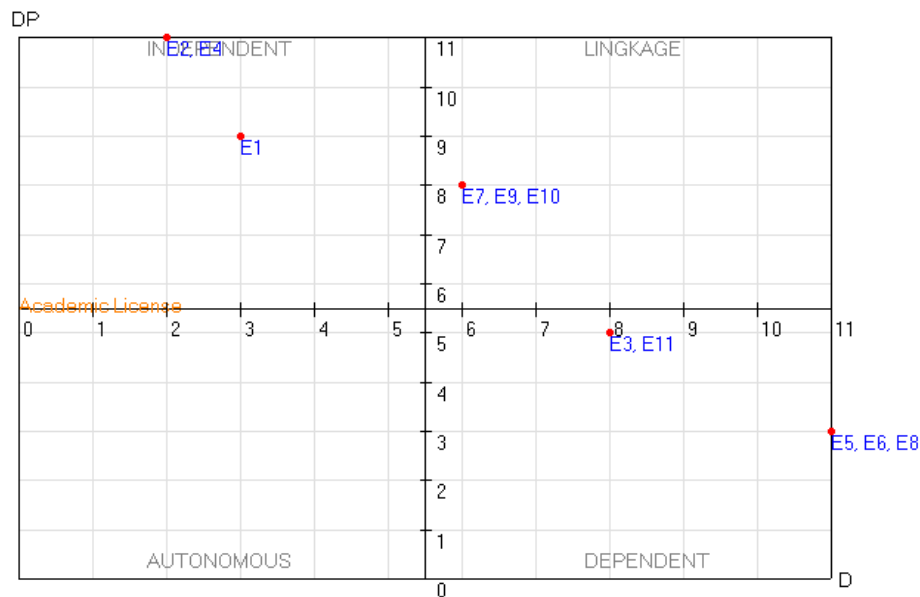
POLICY	PLAN	PROGRAMME	S	M	L	
A	A.1.	A.1.1	✓			
		A.1.2	✓	✓	✓	
		A.1.3		✓	✓	
	A.2.	A.2.1	✓	✓		
		A.2.2			✓	✓



# MAPPING AND STRUCTURE OF CONSTRAINTS FROM STUDENT INTEREST IN CHOOSING UNIVERSITY

## Constraints/Problems

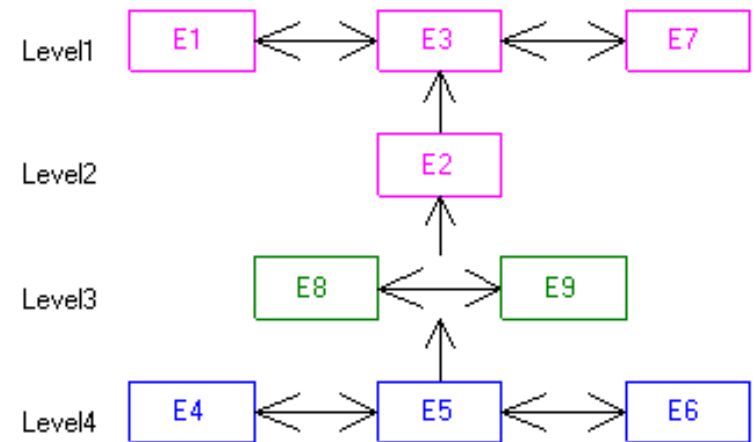
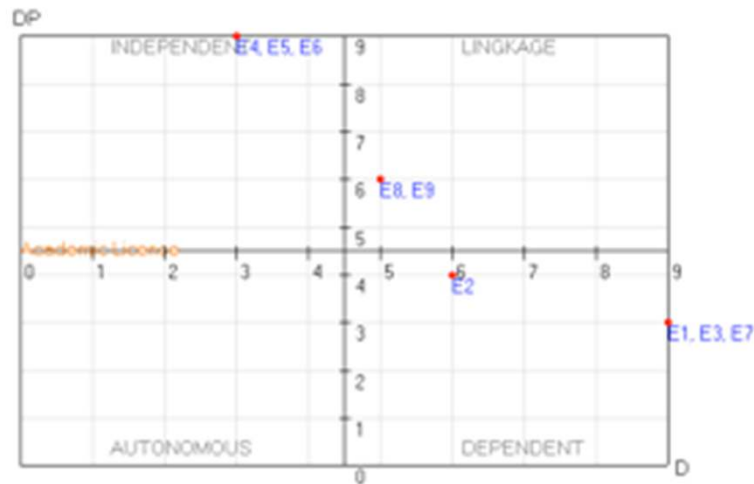
1. Quality of graduates
2. Tuition fee
3. Quality of lecturers
4. Availability of study programme
5. Facilities and Infrastructure
6. University Distance
7. University service
8. availability of Student activity ur
9. The comfort of the building
10. Cleanliness of the building
11. Quality of learning process



# MAPPING AND STRUCTURE OF CONSTRAINTS FROM CUSTOMER SATISFACTION IN IMPROVING HOSPITAL PERFORMANCE

## Constraints/Problems

1. Hospital Facilities
2. Time of Service
3. Doctor Availability
4. Hospital Costs
5. Medicine Costs
6. Availability and ease of insurance
7. Doctor's Schedule
8. Cleanliness of the hospital
9. The comfort of the hospital



# THANK YOU

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