The Construction of Electronic Document and Records Management Systems in Government Agencies: A Structuration Theory Perspective

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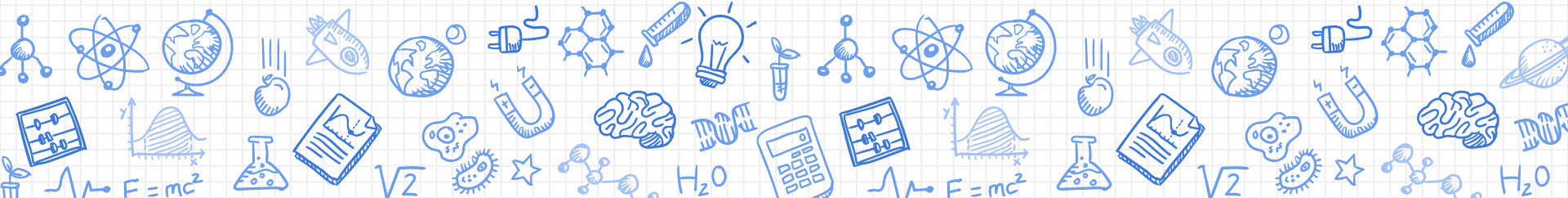
Outline

- ✓ Introduction
- ✓ Literature Review
- ✓ Research Methodology
- ✓ Research Results and Findings
- ✓ Conclusions and Implication

INTRODUCTION



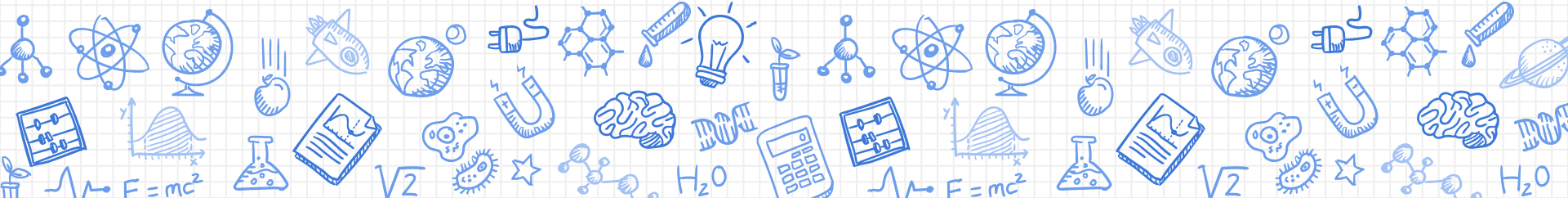
Motivation

- ✓ Organizational assimilation have mostly been conducted only in the context of e-business.
- ✓ IS has had a tremendous impact in public organizations. However, empirical researches regarding EDRMS in government agencies are still limited.

Purpose

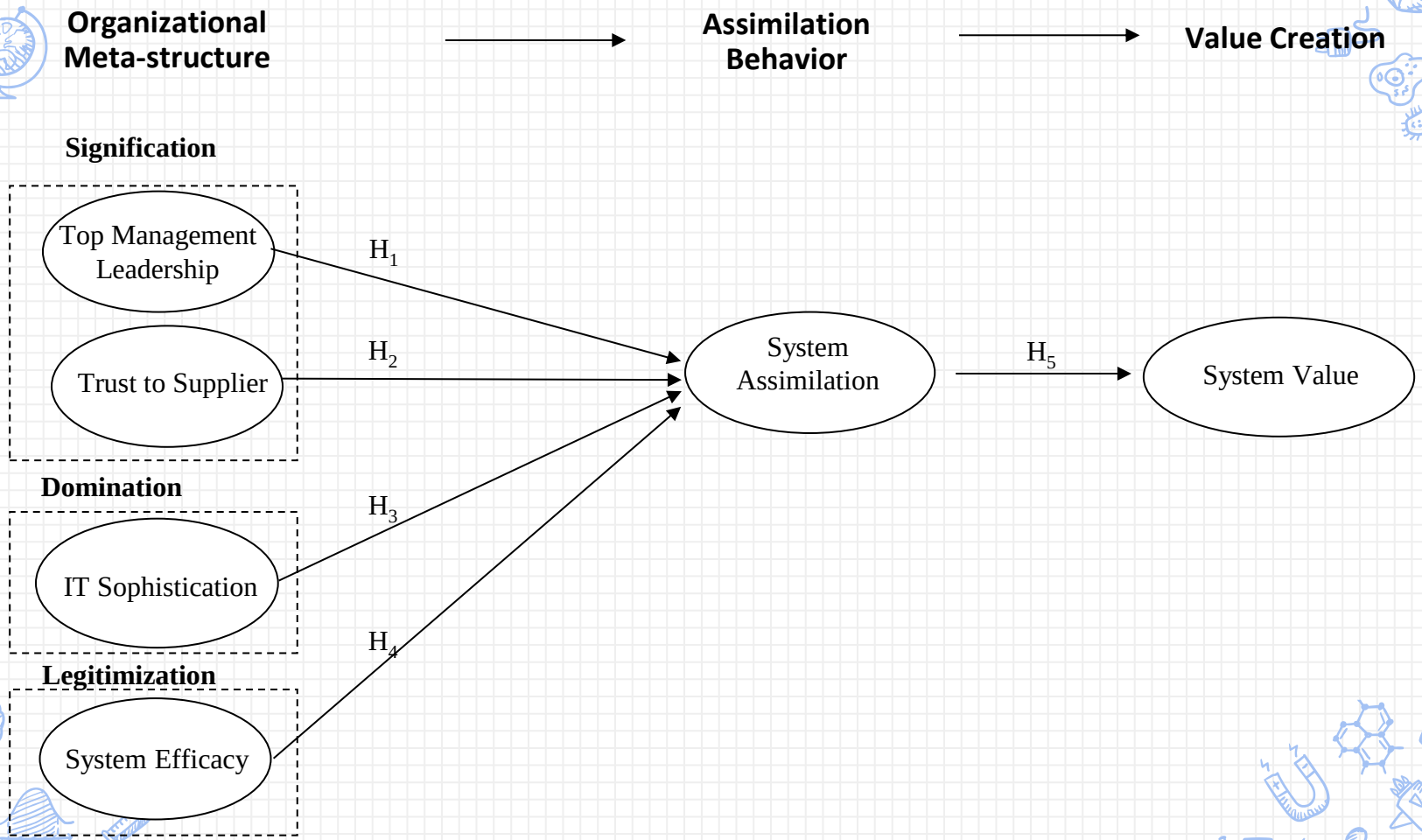
- ✓ Develop a theoretical model informed by the literature on assimilation and by structuration theory to explain the aggregated assimilation of EDRMS.

LITERATURE REVIEW

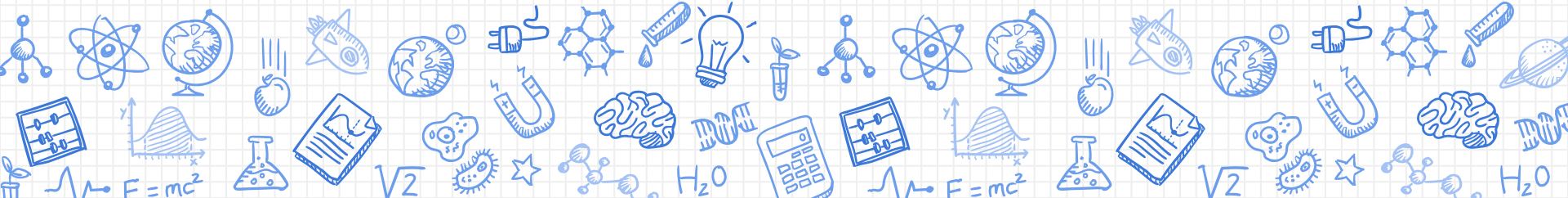


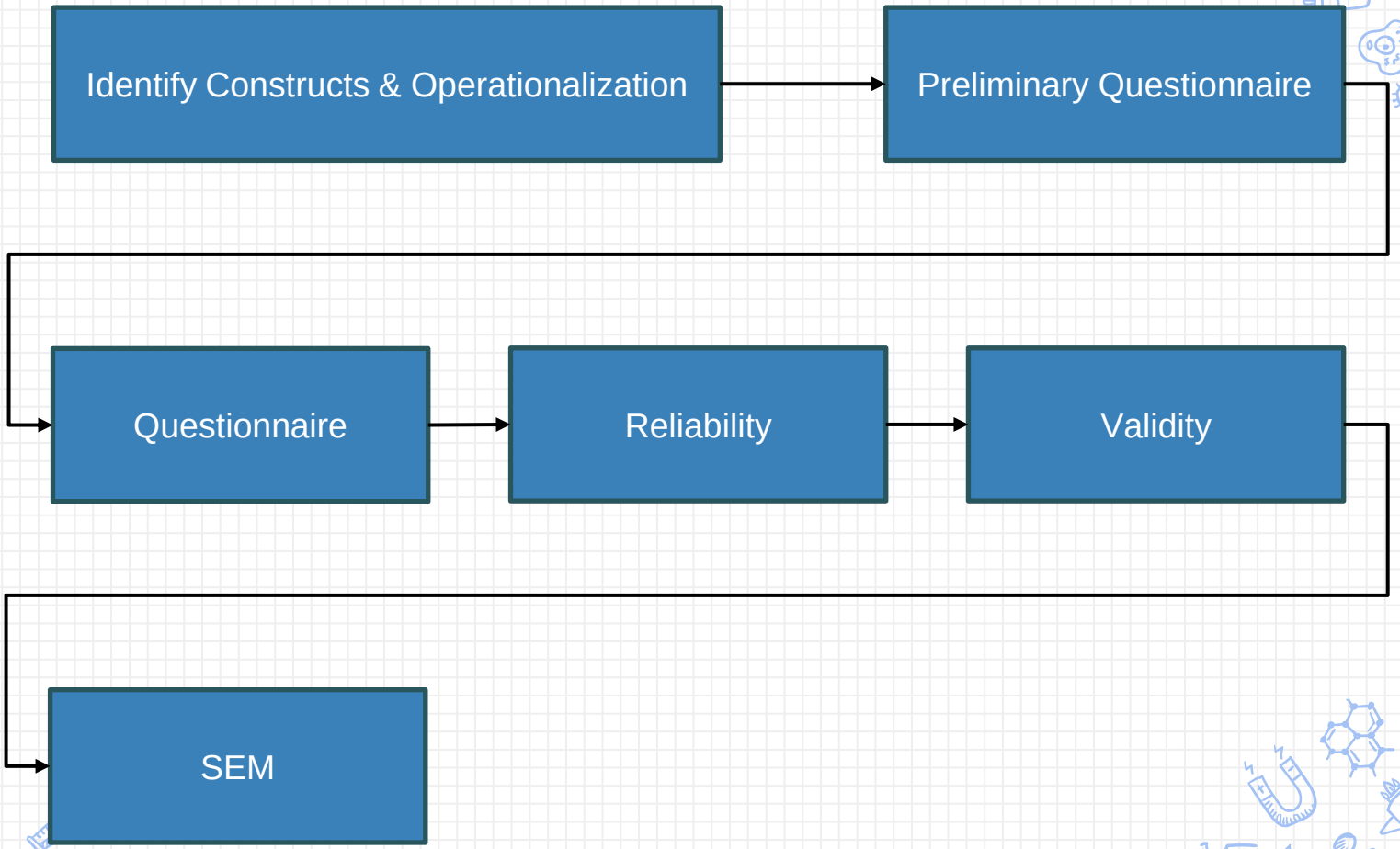
Literature Review

- ✓ Prior Research on Electronic Documents and Records Management Systems
- ✓ A Structuration Perspective for Assimilation
- ✓ Proposed Research Framework

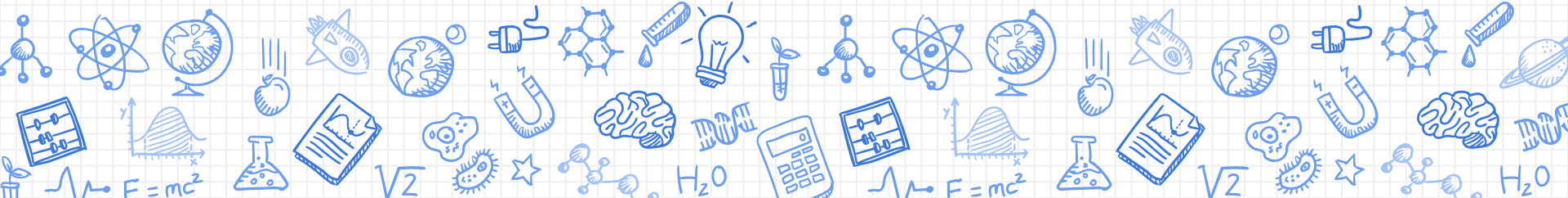

Organizational Meta-structure
Assimilation Behavior
Value Creation
Signification
Top Management Leadership
Trust to Supplier
Domination
IT Sophistication
Legitimization
System Efficacy
H1
H2
H3
H4
System Assimilation
H5
System Value

RESEARCH METHODOLOGY




Identify Constructs & Operationalization
Preliminary Questionnaire
Questionnaire
Reliability
Validity
SEM

RESEARCH
RESULST & FINDINGS

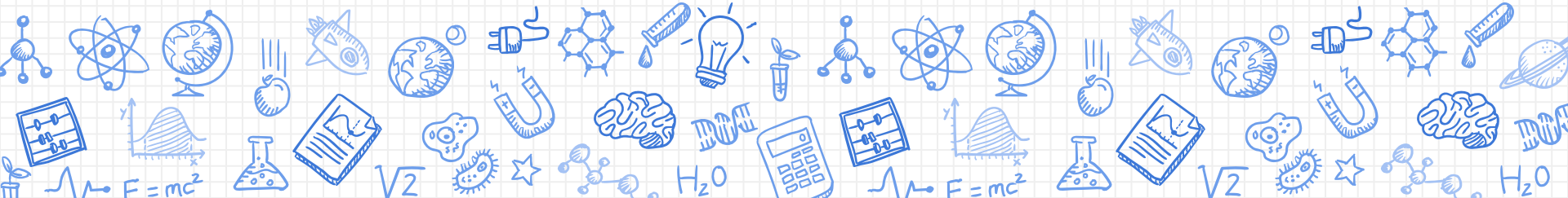


Construct	Measurement	Loading	Alpha	CR	AVE
Top Management Leadership	1.Top manager of our organization actively articulates a vision the mission of EDRMS	.86	.95	.96	.89
	2.Top manager of our organization participates in formulating the strategy of EDRMS	.91			
	3.Top manager of our organization participates in establishing goals and standards of EDRMS	.90			
Trust to Supplier	1.Our organization accept the suggestions from vendors to build the operations of EDRMS in our organization	.89	.84	.85	.74
	2.Our organization accept the resources from vendors to solve the problems of EDRMS in our organization	.86			
IT Sophistication	1.In my organization, EDRMS is important for the efficient retrieval of EDR	.73	.94	.95	.71
	2.In my organization, EDRMS is important for the improved quality of EDR	.84			
	3.In my organization, EDRMS is important for the efficiency of EDRM	.84			
	4.In my organization, EDRMS is important for the core functional activities	.84			
	5.In my organization, EDRMS is important for operational cost reduction	.73			
	6.In my organization, EDRMS is important for operational convenience	.72			
	7.In my organization, EDRMS is important for improved service to the public	.72			

Construct	Measurement	Loading	Alpha	CR	AVE
System Efficacy	1.Staff of our organization can find the solutions to EDRMS problems	.81	.97	.97	.93
	2.Staff of our organization has the capability to manipulate the EDRMS directly	.83			
	3.Staff of our organization has the knowledge to get specific resources to solve the problems of EDRMS	.83			
System Assimilation	1.EDRMS of our organization satisfies the expectation of upper-level agencies	.76	.94	.93	.82
	2.EDRMS of our organization meet the requirement of the regulating agency	.83			
	3.EDRMS of our organization fulfil the regulation of the rules	.81			
System Value	1.After the implementation of EDRMS, the internal processes of our organization are more efficient than before	.86	.94	.94	.79
	2.After the implementation of EDRMS, the customer services of our organization are improved	.87			
	3.After the implementation of EDRMS, the staff productivity of our organization is increased	.85			
	4.After the implementation of EDRMS, the flow of official documents are more fluent than before	.82			

Hypotheses	Estimate	p value
H_1: Top Management Leadership → System Assimilation	.10	<.001
H_2: Trust to Supplier → System Assimilation	.18	<.001
H_3: IT Sophistication → System Assimilation	.31	<.001
H_4: System Efficacy → System Assimilation	.46	<.001
H_5: System Assimilation → System Value	.58	<.001

CONCLUSIONS & IMPLICATION



Discussion

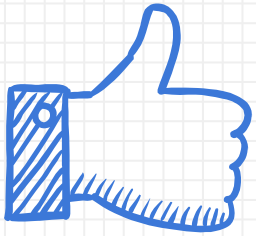
- ✓ The beliefs of top management play an important role in promoting system assimilation.
- ✓ Trust to suppliers is crucial for the success of EDRMS assimilation.

Discussion

- ✓ EDRMS efficacy is an important antecedent of system assimilation.
- ✓ EDRMS assimilation has a significant effect on system value creation.

Conclusion

- ✓ the meta-structures of signification, legitimization, and domination affect the assimilation of EDRMS. All three meta-structures have impact to system assimilation.



THANKS!

Any questions?

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