



SEMESTER LEARNING PLAN

DEPARTMENT: URBAN AND REGIONAL PLANNING

FACULTY: CIVIL, PLANNING, AND EARTH

COURSES NAME	URBAN TRANSPORTATION MANAGERMENTS											
COURSES CODE	DK184719											
SEMESTER	VII											
CREDITS	3/ 4,86											
LECTURER	Siti Nurlaela, ST, M.Com, Ph.D											
LEARNING MATERIALS	BK33 Thematic Concept						BK35 Thematic Analysis					
	BK34 Management Approaches & Procedures						BK36 Thematic Scenario Formulation					
PROGRAM LEARNING OUTCOME (PLO)												
SPESIFIC KNOWLEDGE	1.1	Able to understand and apply the theoretical concept of urban and regional planning in the aspects of urban studies, regional studies, spatial science, data science & computer application, socio-political, environmental management, built environment design, infrastructure and transportation system, coastal studies, management, economics										
	1.3	Able to apply the methods of spatial planning/aspatial in decision making										
SPESIFIC SKILLS	2.1	Able to compile the planning concept and direction of the plan through the study of strategic issues in the context of urban, regional, and coastal planning problems with understanding through observation and utilization of the data of physical/spatial, social, economic and environmental										
	2.5	Able to produce creative, innovative, sustainable planning that are accommodating public interest in which the resulted plans are reviewed on the rules and theories of planning and communicating them visually, verbally and in writing so that can be accounted academically										
COURSE LEARNING OUTCOME												
SPESIFIC KNOWLEDGE	Students able to apply transportation management principles in understanding transportation issues within urban/regional/coastal area											
	Students able to adapt various policies in order to influence transportation behavior (demand) in order to tackle transportation issues in Indonesia											
	Students able to adapt various policies in order to influence transportation supply in order to tackle transportation issues in Indonesia											
SPESIFIC SKILLS	Students able to compose management strategy for transportation issues in the sector of facilities and infrastructure											
	Students able to identify the solution of traffic management based on land use aspect through the understanding of ANDAL procedures											
	Students able to communicate verbally, visually, and written with the utilization of ICT											
MAP OF PLO – CLO	CLO	PLO-1	PLO-2	PLO-3	PLO-4	PLO-5	PLO-6	PLO-7	PLO-8	PLO-9	PLO-10	PLO-11
	CPMK-1. Students are able to adapt transportation policy choices to influence transportation behavior (demand) that can be applied to overcome urban transportation problems in Indonesia	1		1	1							
	CPMK-2. Students are able to adapt transportation policy choices to influence transportation supply that can be applied to overcome urban transportation problems in Indonesia	1		1	1							
	CPMK-3. Students are able to produce management strategies for transportation problems in the field of transportation facilities and infrastructure	1		1	1				1			
	CPMK-4. Students are able to identify traffic management solutions from the aspect of land use and transportation through an understanding of the ANDALALIN procedure	1		1								
MODULES												
1	Urban transportation management introduction											
2	Demand management approach on urban transportation management											
3	Supply management approach on urban transportation management (technologies to manage transportation issues)											
4	Study case: public transportation management (train/bus), terminal/station/harbor, parking											
5	Transportation regulations and institutions in Indonesia: Analisis Dampak Lalu Lintas (AndalLalin)											

LECTURE	COURSE LEARNING OUTCOMES	MODULE LEARNING OUTCOMES	MODULE	EXPECTED LEARNING OUTCOMES	SCOPE	LEARNING METHODS	COURSE DURATION	GRADING POLICY	GRADING CRITERIA AND INDICATORS	ASSESSMENT (%)
1	2	3	4	5	6	7	8	9	10	11
Week 1	Students able to apply transportation management principles in understanding transportation issues within urban/regional/coastal area	Students able to understand the principles and the basic concepts of urban transportation management	Urban Transportation Management Introduction	Students able to understand the principles and the basic concepts of urban transportation management	Pembahasan SAP, evaluasi, tugas. Prinsip-prinsip manajemen transportasi perkotaan, lingkup manajemen transportasi perkotaan.	M1	100	Lecture, Discussion	Individual activeness	5%
				Students able to identify various types of transportation management including supply or demand	Jenis-jenis manajemen transportasi dan contoh penerapannya.	M1	60	Lecture, Discussion	Individual activeness	
				Students able to understand transportation management issues in Indonesia and their impacts	Persoalan manajemen transportasi di Indonesia	M1	60	Lecture, Discussion	Individual activeness	
Week 2	Students able to adapt various policies in order to influence transportation behavior (demand) in order to tackle transportation issues in Indonesia	Students able to understand the policies in order to influence travel behavior	Demand management approach on urban transportation management			M1	100	Lecture, Discussion	Individual activeness	
				Students able to adapt voluntary approach in the context of urban transportation planning in Indonesia	Mechanism of voluntary demand management and its applications	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness	
Week 3				Students able to understand market approaches on transport demand management	Market approach, definition, and strategy of market demand management	M1	100	Lecture, Discussion	Individual activeness	
		Students able to adapt various policies in order to influence transportation behavior (demand) in order to tackle transportation issues in Indonesia		Students able to adapt market approach in the context of urban transportation issues in Indonesia	Mechanism on market demand management application and their example	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness	
Week 4				Students able to understand regulatory approaches in transport demand management	Regulatory approach, definition, and regulation strategy of demand management	M1	100	Lecture, Discussion	Individual activeness	
				Students able to adapt regulatory approaches in the context of urban transportation issues in Indonesia	Mekanisme penerapan regulasi demand management dan contoh-contoh aplikasinya.	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness	

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1	2	3	4	5	6	7	8	9	10	11
	Students able to communicate verbally, visually, and written with the utilization of ICT				Assignment 1 (Group) Weekly discussion and critical review of one of the demand management approach and the adaptation of application in order to tackle transportation issues in Indonesia	M1, M4	800	Assignment 1 Submission	Group Assignment 1: Discussion/Presentation dan Paper 1	20%
Week 5	Students able to adapt various policies in order to influence transportation supply in order to	Students able to understand the policies in order to influence travel supply	Supply management approach on urban transportation management	Students able to understand the correlation of transportation supply-demand and their	Correlation of transportation supply and demand and their issues related to transportation issues in Indonesia, especially urban congestion	M1	160	Lecture, Discussion, Presentation	Individual activeness	
	tackle transportation issues in Indonesia		(technologies to manage transportation issues)	implications on urban transportation issues						
Week 6		Students able to adapt various policies in order to influence transportation supply in order to tackle transportation issues in Indonesia		Students able to understand the varieties of TSM and their role in tackling urban transportation issues	Introduction of Transport System Management (TSM)	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness	
					Applications of TSM and the adaptations in the context of Indonesia					
Week 7				Students able to understand the variety of ITS and their role in tackling urban transportation issues	Introduction of Intelligent Transport System (ITS)	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness	
					ITS Components and their standard operations					
					Application of ITS and its adaptation in the context of Indonesia	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness/Teamwork	
Week 8				Students able to understand the development of transportation and their application in Indonesia	Latest ITS applications in the context of smart city	M1, M4	160	Lecture, Discussion, Presentation	Individual activeness/Teamwork	
	Students able to communicate verbally, visually, and written with the utilization of ICT	Study case: public transportation management (train/bus), terminal/station/harbor, parking			Assignment 2 (Group) Weekly discussion and critical review of one of the supply management approach and the adaptation of application in order to tackle transportation issues in Indonesia	M1, M4	800	Assignment 2 Submission	Group Assignment 2: Discussion/Presentation dan Paper 2	20%
Week 9	Students able to compose management strategy for transportation issues in the sector of facilities and	Students able to understand the principles of facilities and infrastructure management	Study case: public transportation management (train/bus), terminal/station/harbor, parking	Students able to understand the issues of public transport management and their strategies	Public transportation management (train/bus)	M1, M3, M4	320	Lecture, Discussion, Presentation		

LECTURE	COURSE LEARNING OUTCOMES	MODULE LEARNING OUTCOMES	MODULE	EXPECTED LEARNING OUTCOMES	SCOPE	LEARNING METHODS	COURSE DURATION	GRADING POLICY	GRADING CRITERIA AND INDICATORS	ASSESSMENT (%)
1	2	3	4	5	6	7	8	9	10	11
	infrastructure									
Week 10		Students able to understand the issues of transportation facilities and infrastructure		Students able to understand the management of transport infrastructures and their strategies	Terminal/station/harbor management	M1, MB, M4	320	Lecture, Discussion, Presentation	Individual activeness/Teamwork	
		management in Indonesia								
Week 11		Students able to formulate management strategy towards transportation issues in the sector of public transportation (train/bus), terminal/station, and parking		Students able to understand the issues of parking management and their strategies	Parking management	M1, MB, M4	320	Lecture, Discussion, Presentation		
	Students able to communicate verbally, visually, and written with the utilization of ICT				Assignment 3 (Group) Weekly discussion and critical review regarding the strategy of public transport management and their infrastructures	M1, MB, M4	1000	Assignment 3 Submission	Group assignment 3: Discussion/Presentation dan Paper 3	25%
	Able to make appropriate decision in the problem-solving efforts of their expert based on data and information analysis									
Week 12	Students able to identify the solution of traffic management based on land use aspect	Students able to understand the process and the procedure of ANDAL and	Transportation regulations and institutions in Indonesia: Analisis	Students able to identify regulatory and institutional	Introduction of regulatory and institutions in Indonesia regarding to ANDAL	M1	200	Lecture, Discussion	Individual activeness/Teamwork	
	through the understanding of ANDAL procedures	identify ANDAL strategies in the development of urban traffic	Dampak Lalu Lintas (Andal Lalin)	aspects in ANDAL]						
				Students able to understand the concepts and component of ANDAL	Introduction of ANDAL and its components	M1	200	Lecture, Discussion	Individual activeness/Teamwork	
Week 13				Students able to understand the procedures of ANDAL	Andal Procedures	M1	200	Lecture, Discussion	Individual activeness/Teamwork	
Week 14				Students able to understand how are the development of ANDAL strategies	ANDAL Strategies	M1	200	Lecture, Discussion	Individual activeness/Teamwork	
Week 15				Students able to understand ANDAL through comprehensive examples and the implications	Comprehensive examples of ANDAL	M1, MB	300	Lecture, Discussion	Individual activeness/Teamwork	

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1	2	3	4	5	6	7	8	9	10	11
Week 16	Able to apply logical, critical, systematic, and innovative thinking in the context of development or implementation of science and technology by considering and applying the suitable value of humanities in accordance with their expertise			Students able to understand ANDAL as a procedure to recognize transportation solution from the aspect of land use and transportation	Evaluasi 1	MB, M4	200	Quiz 1	Understanding and accuracy on answering the quiz	30%
	Able to analyze the implications of development or implement science and technologies which apply humanity values according to their expertise based on the rules, and scientific ethicques in order to create solutions, ideas, designs, or art critiques									

Pustaka : (Max5)
Ferguson, Erik 2000. Travel Demand Management and Public Policy. Ashgate..
Ewing, Reid. 1997. Transportation and Land Use Innovations. APA..
Tamin, Ofyar Z 1997. Perencanaan dan Pemodelan Transportasi. Penerbit ITB. Bandung,
Regional Cities Urban Transport. Traffic Management. DKI Jakarta Training.
Meyer, Michael D and Eric J. Miller 2001. Urban Transportation Planning, Second Edition. McGraw-Hill. Singapore.
Papacostas, Constantinos S and Panos D Prevedouras. Transportation Engineering and Planning. Pearson Prentice Hall. Honolulu.

EVALUATION 1 WEEKLY PRESENTATION AND DISCUSSION

Course	DK184719 Urban Transportation Management
Credit	3 credits
Modules	Modul 2, 3, 4 (topic options)
Module learning objectives	<ul style="list-style-type: none"> • Students are able to understand transportation policy choices to influence transportation behavior • Students are able to adapt transportation policy choices to influence transportation behavior (demand) that can be applied to overcome urban transportation problems in Indonesia • Students are able to understand transportation policy choices to influence transportation supply • Students are able to adapt transportation policy choices to influence transportation supply that can be applied to overcome urban transportation problems in Indonesia • Students understand the principles of management of transportation facilities and infrastructure • Students understand the problems in managing transportation facilities and infrastructure in Indonesia • Students are able to formulate management strategies for transportation problems in the field of transportation facilities/ infrastructure (public transportation/ stations/ terminals/ ports/ parking)
Learning objectives of the weekly presentation and discussion	<ul style="list-style-type: none"> • Students are able to adapt voluntary/voluntary approaches, markets, and regulations in the context of urban transportation problems in Indonesia • Students are able to understand aspects of developing ITS and smart transportation and evaluate the possibility of their application in Indonesia • Students understand the problem of transportation infrastructure (facilities/infrastructure) management and management strategies
The depth of the Weekly presentation and discussion (C1 until C6)	C5
Assignment details of the weekly presentation and discussion	Job descriptions and assessment criteria are enclosed below

A. ASSIGNMENTTYPE

The assignment of evaluation 1 is in the form of WEEKLY PRESENTATION AND DISCUSSION ASSIGNMENTS where students are asked to study, understand, make presentation slides, present, and discuss and record conclusions on each weekly topic from week 2 to week 12.

B. ASSIGNMENTMATERIALS

The assignment material consists of modules 2, 3 and 4.

- Voluntary based demand management (VDM)
- Market based demand management (MDM)
- Regulation based demand management (RDM)
- Transport supply management (TSM)
- Intelligent Transport System (ITS)
- Transportation infrastructure management (public transportation mode/station/terminal/port/parking)

C. ASSIGNMENTIMPLEMENTATION

- Assignments are done in groups. The draft of Evaluation 1 is presented in the form of a Roundtable Discussion which would be facilitated by 1 lecturer. Each group is asked to provide a photocopy of exposure material (ppt) with a distribution of 1 copy for lecturers and several copies for other group members. Each participant is expected to participate in the discussion.
- Students are advised to conduct consultation/assistance to the teaching lecturer before drafting/finalizing the Surabaya.
- A presentation is done for 20 minutes, 20 minutes of deepening/ discussion and 20 minutes of question and answer.
- In the deepening/discussion session, class members can give comments/feedback.
- In the question and answer session, class members can give questions.
- Active class members (student) can get individual activeness score. One of the group member acting as note taker of the discussion.
- After being presented and discussed, PPT materials, the note of discussion and conclusions are collected in softcopy format (one pdf file, code name Weekly assignment_Topic_URTRANS) to the email address: sitnurlael0@gmail.com/erli.martha@gmail.com (according to the name the lecturer who taught the topic that week).
- After the end of the class, each class member writes the lessons learned and to be collected to the note taker. The lesson learned consist of 300 word by writing the lesson experience and the NRP.

D. CRITERIA FOR EVALUATING WEEKLY PRESENTATION AND DISCUSSION (15% group, 5% individual)

Dimension	Very Good	Good	Average	Bad	Very Bad	Score
Technique of Presentation	The presentation was organized with showing fact that supported by example that already analyzed based on concept	The presentation was organized and showing fact that make sure to support the conclusions	The presentation has focus point and showing some evidence that support the conclusions	The presentation has focus point, but evidence were insufficient to used for make conclusions.	There's no specific organization. Facts are not used to support their statement	
	(10-8)	(6-8)	(4-5)	(3-2)	(0-1)	
Content	Content that can be inspire listener to develop their minds.	Has an accurate and complete presentation. The listener has a new knowledge about that topics	Has an accurate content but not complete. The listener less active to discuss that topics	The content was less accurate because there's no data and fact that supports it	The content are not accurate and very common. Listener didn't get any lessons from this presentation	
	(10-8)	(6-8)	(4-5)	(3-2)	(0-1)	
Discussion	The right argumentation with example or the fact	The right argumentation but lacking of the fact	The lack of argumentation but have fact or example	The lack of argumentation and not have example	Argumentation is wrong	

EVALUATION 2 CRITICAL REVIEW

Course	DK184719 Urban Transportation Management
Credit	3 credits
Modules	Modul 2 (topic options)
Module learning objectives	<ul style="list-style-type: none"> • Students are able to understand transportation policy choices to influence transportation behavior • Students are able to adapt transportation policy choices to influence transportation behavior (demand) that can be applied to overcome urban transportation problems in Indonesia
Learning objectives of the critical review	<ul style="list-style-type: none"> • Students are able to adapt voluntary/voluntary approaches, markets, and regulations in the context of urban transportation problems in Indonesia
The depth of the critical review (C1 until C6)	C5 (Evaluation)
Assignment details of the critical review	Job descriptions and assessment criteria are enclosed below

A. ASSIGNMENT TYPE

ASSIGNMENT evaluation II takes the form of GROUP ASSIGNMENT (Selection of articles is carried out by each individual in the group) with individual and group assessments (level and quality of discussion of each article 20%, critical or discussion or evaluation/synthesis and lesson learned conclusions 10%).

B. ASSIGNMENT MATERIALS

The Surabaya material consists of module 2.

- Voluntary based demand management (VDM)
- Market based demand management (MDM)
- Regulation based demand management (RDM)

C. ASSIGNMENT IMPLEMENTATION

- Assignments are done in groups. Members of groups of 2-3 people. Each member submits a paper or article for review. These articles are related to each other on the same topic (VDM, MDM or RDM).
- Critical review papers are collected at week 5.
- Reviewing rather than translating, but making summaries/summaries, and describing them with self-developed language. Journals that will be reviewed in advance must be certified to the lecturer.
- After summarizing, then a critical evaluation is carried out and includes lessons learned and conclusions.
- Students are advised to conduct consultation/assistance to the teaching lecturer before drafting/finalizing the Surabaya.
- ASSIGNMENTS are typed in on portrait A4 paper, spaced 1 - 1.5, the maximum number of pages is 3 pages for summary or summary articles and 7 pages for critical reviews. The relevant journal is attached.
- Softcopy of assignment in the format "pdf" and together with the relevant journal collected collectively on CD (1 class 2 DVD). Organizing files on CD as follows: one group one folder with names and NRPs arranged sequentially with file names: NAME OF THE EVALUATION_topic_group in the form NRP_URTRANS). It was also mentioned which articles were the materials for which students with NRP.
- Softcopy of the assignment submitted in class to lecturers at week 5.

CRITERIA FOR EVALUATING CRITICAL REVIEW

No	Scoring Aspect	Excellent	Good	Enough	Bad	Very Bad	Score
1	The fitness of the substance of the discussed issue with the topic	Issue fit the topic, up to date, have proper issue formulation	Issue fit the topic, does not up to date, have proper issue formulation	Substance fit the topic, up to date, but the issue formulation are not precise	Substance does not fit the topic, the issue formulation are not precise	Substance does not fit the topic, there is no issue	
2	Accuracy on summarizing the important idea of the article	Precise, with a comprehensive idea of the issue	Precise, but with less comprehensive idea	Precise	Less precise	There is no summary of the issue concept	
3	The accuracy of critical review towards the substance of the journal	Critical, Precise on giving the critical review, Appropriate on picking the up to date reference	Precise on giving the critical review, Correct on picking the up to date reference	Precise on giving critical review, but the references used are not precise	Critics have less precise, Reference used are not precise	The reviewer gives an inappropriate critical review and chooses the wrong reference	
4	Result discussions and lessons learned	The discussion is structured and comprehensive, Lessons Learned answers the issue and give the example of best practices	The discussion is structured and comprehensive, Lessons Learned answers the issue	There are discussions but not structured nor comprehensive, The lessons learned are correct	There are discussions but not structured nor comprehensive, The lessons learned are not correct	The discussions are not structured, lessons learned are not correct	
5	The accuracy of summarizing the	The conclusions and lessons learned are	The conclusions and lessons learned are correct	The conclusions and lessons learned are	The conclusions and lessons learned	The conclusions and lessons	

No	Scoring Aspect	Excellent	Good	Enough	Bad	Very Bad	Score
	conclusions and lessons learned	correct and comprehensive		correct enough	have less precise	learned are not correct	
	Average score obtained						

EVALUATION 3 FIELD TRIP TO SCC

Course	DK184719 Urban Transportation Management
Credit	3 credits
Modules	Module 3 (ITS – Intelligent Transport System and smart transportation)
Module learning objectives	<ul style="list-style-type: none">• Students are able to understand the types of TSM and their role in overcoming urban transportation problems• Students are able to understand aspects of developing smart transportation and the possibility of implementing it in Indonesia
Learning objectives of the critical review	<ul style="list-style-type: none">• Students are able to understand the application of ITS in Surabaya, its development aspects, and its role in overcoming transportation problems in Surabaya.
The depth of the critical review (C1 until C6)	C5 (Evaluation)
Assignment details of the critical review	Job descriptions and assessment criteria are enclosed below

A. ASSIGNMENT TYPE

The assignment of evaluation 3 is a GROUP ASSIGNMENT in the form of visitation to Surabaya Command Center (SCC) and field lectures in the form of observations, and secondary data collection or interviews, as well as reporting the results in the form of papers.

B. ASSIGNMENT MATERIALS

The assignment material consists of module 3.

- The concept and application of the Intelligent transportation system in Surabaya.
- Concept and implementation of smart transportation in Surabaya
- The role of SCC in the context of ITS / smart transportation in Surabaya

C. ASSIGNMENT IMPLEMENTATION

- Assignments are done in groups. The member of each group consists of 2-3 people.
- Each group is free to choose a topic that will be the main aspect of discussion about SCC.
- The assignment begins with a study of SCC online. Then students draw up a survey design in order to visit the SCC.
- SCC visits will be held at week 8.
- Collection of reports in the form of papers conducted at week 10.
- In the 7th week, there is assistance (pre-visit in the form of survey design preparation) and week 9 (pre-collection of paper reports).
- Reports are typed in on portrait A4 paper, spaced 1 - 1.5, the maximum number of pages is 10 pages accompanied by attachments to survey designs and primary/secondary data collection.
- Softcopy of assignment will be submitted in "pdf" format together with the relevant journal collected collectively on CD (1 class 2 DVD). Organizing files on CD as follows: one group one folder with names and NRPs arranged sequentially with file names: THE EVALUATION NAME_TOPIC_group in the form NRP_URTRANS).
- The composition of the paper consists of:
 - Chapter 1: Introduction, outlines the theoretical facts about the importance of implementing ITS / smart transport and empirical facts about ITS / smart transport programs in Surabaya. Explain the role of SCC in that context.
 - Chapter 2: Literature review: literature material 3 textbooks / scientific journals / scientific articles on ITS / smart Transportation theoretical foundations. Online material (unspecified amount) regarding aspects of SCC and its role in ITS? Smart transportation Surabaya.
 - Chapter 3: Survey design (data requirements), techniques for obtaining data, data processing techniques.
 - Chapter 4: Data and analysis: Report on survey results and description of the analysis both qualitatively / quantitatively according to the research questions. Evaluating the role of SCC and the aspects of the success of smart transport / ITS supported by SCC.
 - Chapter 5: Conclusions and recommendations.

D. CRITERIA FOR EVALUATING FIELD TRIP PAPER (25% group)

Sub Chapter	86-100	76-85	66-75	56-65	0-55
Introduction	Empirical and theoretical facts are very complete and very relevant, the urgency of the problem is high	Complete and relevant empirical and theoretical facts, but the urgency of the problem is lacking	Empirical and theoretical facts exist but are irrelevant and not urgent	Empirical and theoretical facts are incomplete, irrelevant, not urgent	There are no empirical and theoretical facts and cannot formulate problems
Literature Review	The complete substance of literature review by mentioning more than the specified reference, the correct synthesis of the library	The complete substance of the literature review in accordance with the TOR, the synthesis of the appropriate library	Less complete but according to the topic of the task, the synthesis of the library is not quite right	Less complete and not in accordance with the topic of the assignment, improper library synthesis	Incomplete and incompatible and there is no library synthesis
Methodology	Data needed, how to obtain data and techniques to process data precisely and explained in detail	Data needed and how to get the right data but the technique of processing data is not right	How to get the right data, the data needed is less, the data processing technique is not right	Data needed, how to obtain data and data processing techniques is not right	Data needed, how to obtain data and data processing techniques is not appropriate
Data and Analysis	Complete data, precise and comprehensive analysis with appropriate interpretations	Complete data, precise and comprehensive analysis without interpretation	Complete data with inappropriate analysis	Complete data but not suitable and without analysis	Data is incomplete and not suitable and without analysis
Conclusion and Recommendation	The quality of conclusions is appropriate according to the results of the analysis and answers the research objectives	The quality of the conclusions is appropriate according to the results of the analysis but does not answer the research objectives	The quality of the conclusions is appropriate according to the results of the analysis but does not answer the research objectives	The quality of conclusions is not in accordance with the analysis and does not answer the research objectives	The quality of conclusions is very inappropriate

EVALUATION 4 (QUIZ)

Course	DK184719 Urban Transportation Management
Credit	3 credits
Modules	Module 5 (Traffic impact analysis)
Module learning objectives	<ul style="list-style-type: none">• Students are able to identify traffic management solutions from aspects of land use and transportation through understanding the traffic analysis impact procedures
Learning objectives of the quiz	<ul style="list-style-type: none">• Students are able to understand the traffic impact analysis processes and procedures and identify traffic impact analysis strategies in developing urban traffic conditions
The depth of the quiz (C1 until C6)	C5 (Evaluation)
Assignment details of the quiz	Determined later. The weight of individual score is 25%