

SEMESTER LESSON PLAN



LESSON PLAN DEVELOPER(S):

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**AQUACULTURE MASTER'S PROGRAM
FACULTY OF FISHERIES AND MARINE SCIENCE
UNIVERSITAS BRAWIJAYA
2021**

SEMESTER LESSON PLAN

1. Course Identity

Study Program	: Aquaculture Master's Program
Course	: Hatchery Techniques
Course Code	: PIB 8204
Course Group	: Scientific Skill Course (SSC)
Credit	: 3
Degree	: Master's
Semester	: 2
Pre-requisite	: (If any, write the course code)
Status	: Compulsory
Lecturers' names and codes	: Dr. Ir. Agoes Soeprijanto, MS Dr. Ir. Maheno Sri Widodo, MS Dr. Ir. Abd. Rahem Faqih, M.Si.

2. Course Description

This course discusses selected topics in hatchery techniques, hatchery targets for aquatic animals, basics of spawning, brood management, biosecurity, transportation management and feed management of live fish, fry and broodstock.

3. Program Learning Outcomes (PLO)

Being able to develop the existing concept and create new knowledge in the field of aquatic animal breeding and reproduction (CPL 6)

4. Course Learning Outcomes

After completing this course, students will be able to:

1. understand the functions and techniques of aquatic animal hatchery
2. understand the basics of hormonal aspects, spawning, hatchery facilities, recording and biosecurity and the use of natural feed used for hatchery
3. understand the main components in modern hatcheries and its technical use, operating procedure of modern hatcheries, egg incubation, larval rearing, as well as transportation and feed management of live fish, broodstock and fry.

5. Lesson Plan

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
1	1.1 Comprehension of selected topics in hatchery techniques	<ul style="list-style-type: none"> - Hatchery techniques - Selected topics in hatchery techniques 	<ul style="list-style-type: none"> • Lecture (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: summarizing lecture materials (A)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus-by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
2	1.2 Comprehension of targets of aquatic animal hatchery	<ul style="list-style-type: none"> - Targets of aquatic animals hatchery - Problems in hatchery process 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
3	2.1 Comprehension of basics of hormonal aspects	<ul style="list-style-type: none"> - Basics of hormonal aspects - Hormonal aspects in aquatic animal hatchery 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
						atau mandiri (S)	Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
4	2.2 Comprehension of the Basics of Spawning	<ul style="list-style-type: none"> - Definitions of the basics of spawning - Basic spawning techniques - Problems in spawning process 	<ul style="list-style-type: none"> • quiz 1 (S) • Lecture (S) • Assignment (A) & Presentation (S) 	2	Note taking (A) Working on assignments (A)	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y.

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
							Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
5	2.3 Comprehension of facilities in hatchery	<ul style="list-style-type: none"> - Facilities needed in hatchery - The advantages and disadvantages of hatchery facilities 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
6	2.4 Comprehension of the Records and Biosecurity	<ul style="list-style-type: none"> - Definition of Records and Biosecurity 	<ul style="list-style-type: none"> • Lecture (S) • Lecture (S) • Assignment (A) & 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments 	<p>Criteria: Scoring Guideline</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages)

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
		- The importance of Records Biosecurity	Presentation (S)		(A)	Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)	2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
7	2.5 Comprehension of Natural Feed	- Definition of natural feed - The effect of natural feed during hatchery process	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	Note taking (A) Working on assignments (A)	Criteria: Scoring Guideline Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)	1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
							<p>Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06.</p> <p>4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.</p>
8	MIDTERM EXAM						
9	3.1 Comprehension of Broodstock and Seed Management	<ul style="list-style-type: none"> - Definition of broodstock and seed management - The Importance of broodstock and seed management - Problems in broodstock and seed management 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y.

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
							Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
10	3.2 Comprehension of main components in modern hatcheries	<ul style="list-style-type: none"> - Main components in modern hatcheries - The advantages and disadvantages of modern hatcheries 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
11	3.3 Comprehension of technical procedure	<ul style="list-style-type: none"> - Definition of technical procedure - The importance of mastering technical procedure 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
12	3.4 Comprehension of modern hatchery operations	<ul style="list-style-type: none"> - Operating procedure of modern hatchery - Advantages and disadvantages of modern hatchery 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test:</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages.

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
						<ul style="list-style-type: none"> - summarizing lecture materials (A) - presentation kelompok atau mandiri (S) 	<ul style="list-style-type: none"> 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
13	3.5 Comprehension of egg incubation and larval	<ul style="list-style-type: none"> - Egg selection - Larval separation - Factors leading to failures in egg incubation and larval rearing 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<ul style="list-style-type: none"> Note taking (A) Working on assignments (A) 	<p>Criteria: Scoring Guideline</p> <p>Non-test:</p> <ul style="list-style-type: none"> - summarizing lecture materials (A) - presentation kelompok atau mandiri (S) 	<ul style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
							<p>Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06.</p> <p>4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.</p>
14	3.6 Comprehension of live fish, fry and broodstock management	<ul style="list-style-type: none"> - Pemilihan alat transportasi yang tepat - Cara packaging yang benar dan sesuai aturan pengiriman ikan hidup, benih dan induk - Masalah yang terjadi pada proses pengiriman ikan hidup, benih dan indu - Selecting proper means of transportation - Standardized packaging in transporting live fish, seeds and broodstock - Problems in transporting live 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	<p>Note taking (A)</p> <p>Working on assignments (A)</p>	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced

Week	PLO Indicator	Topics	Teaching Strategies	Time (hour)	Learning Activities	Assessment	Learning Sources
		fish, fry and broodstockk					spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
15	3.7 Comprehension of feed management for broodstock and fry	<ul style="list-style-type: none"> - Selection of proper feed regarding fish species and mouth opening size - Time management in feeding - Feed cost 	<ul style="list-style-type: none"> • Lecture (S) • Assignment (A) & Presentation (S) 	2	Note taking (A) Working on assignments (A)	<p>Criteria: Scoring Guideline</p> <p>Non-test: - summarizing lecture materials (A) - presentation kelompok atau mandiri (S)</p>	<ol style="list-style-type: none"> 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages) 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages. 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. 1 (1) : 01-06. 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus- by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.
16	FINAL EXAM						

Notes: S = Synchronous, A = Asynchronous, all soft skills achievement will be scored based on the analysis referring to the Learning Management System

6. References

- 1) Buku Fish Breeding (Shukla, A.N. 2009. Fish Breeding. 382 pages)
- 2) Purdom, C.E. 1992. Genetics and Fish Breeding. Springer Science and Business. 278 pages.
- 3) Soeprijanto, A. 2015. Application Of Vegetative Biofilter With Tricking Filter Technique On Water Supply With High Sulphur Content To Increase Seed Production Of Traditional Nile Tilapia Fish. Journal of Innovation and Applied Technology. **1** (1) : 01-06.
- 4) Zonneveld, N., A.C. Wilbrink, A. Soeprijanto, W. Viveen dan Y. Nursalam. 1990. Induced spawning of the Asian catfish-Clarias batrachus-by means of HCG. Proc. 2nd Asian Fisheries Forum, Tokyo, Japan.

7. Appendices

Appendix 1. *Learning Materials*

- PPT 1 : Introduction
 - PPT 2 : Targets of aquatic animal hatchery
 - PPT 3 : The basics of hormonal aspects
 - PPT 4 : The basics of spawning
 - PPT 5 : Hatchery Facilities
 - PPT 6 : Records and Biosecurity
 - PPT 7 : Natural Food
 - PPT 8 : Broodstock and seed management
 - PPT 9 : Main components of modern hatchery
 - PPT 10 : Technical mastery
 - PPT 11 : Modern hatchery operations
 - PPT 12 : Egg incubation and larval rearing
 - PPT 13 : Transport management of live fish, fry and brood
 - PPT 14 : Feed management for broodstock and fry
- Online learning resources: (URL/link)
and other learning resources: (URL/link)

Appendix 2. *Media*

Zoom Meeting: (URL/link)

Google Meet: (URL/link)

Appendix 3. *Assessment Instrument*

Scoring Rubric

Oral Presentation

<p align="center">Close to the Expectation</p> <p align="center">(score 1-2)</p>	<p align="center">Meeting the Expectation</p> <p align="center">(score 3-4)</p>	<p align="center">Exceeding the Expectation</p> <p align="center">(score 5)</p>
<ul style="list-style-type: none"> 1) Presentation is not organized and not well developed 2) Material is not well-explained well 3) Theories and concepts are not thoroughly discussed 4) Presentation is not clear and not fluent 5) Lack of confidence in delivery, mostly note reading 6) Voice is unclear 7) Presentation does not attract audiences' attention 8) Inadequate responses to questions, inadequate comprehension of the material 9) Unsynchronized presentations 10) Exceeding the time limit, failing to complete the presentation 	<ul style="list-style-type: none"> 1) Presentation is rather well -organized and developed 2) Fair comprehension of the material being delivered 3) Theories and concepts are fairly discussed thoroughly 4) Presentation is fairly clear and fluent 5) Showing fairly strong confidence and speakers read notes wisely 6) Voice is quite clear 7) Able to engage audience's attention 8) Fairly good in responding to questions, showing excellent comprehension of the material being presented 9) Good synchronization of presentation flow 10) Exceeding the time limit yet presenters managed to complete the presentation 	<ul style="list-style-type: none"> 1) Presentation is very well organized and creatively developed 2) Very strong knowledge regarding the material being presented 3) Theories and concepts are very thoroughly-discussed 4) Presentation is very clear and smooth 5) Excellent confidence in delivery, reading notes very wisely 6) Voice is very clear 7) Adequately attracts audiences' attention well 8) Responding to questions very well, very strong comprehension of the material being delivered 9) Very clear synchronization in presentation flow 10) Not exceeding the time limit, presentation is completed

Written Assignments

Essay

<p align="center">Under the average</p> <p align="center">(score 1 – 4)</p>	<p align="center">Within the Average</p> <p align="center">(score 5 – 8)</p>	<p align="center">Above the Average</p> <p align="center">(score 9 – 12)</p>	<p align="center">Perfect</p> <p align="center">(score 13 – 15)</p>
<ul style="list-style-type: none"> 1) Not using the right analytical method 2) Incorrect data analysis 3) Making wrong conclusions 4) No critical analysis of the data available 5) No references 6) Unmatched literature review (theory, research) 	<ul style="list-style-type: none"> 1) Using acceptable analytical methods 2) Data are well analyzed 3) Making relevant conclusions 4) There is a fairly critical analysis of the data 5) There are only one or two references yet irrelevant 6) Matching literature review (theory, research) and 	<ul style="list-style-type: none"> 1) Using a relatively precise analysis method 2) Proper data analysis 3) Making the right conclusion 4) Critical analysis of the data is found 5) There are many references yet irrelevant at this point 6) Matching literature review 	<ul style="list-style-type: none"> 1) Using the correct analytical method 2) Effective data analysis 3) Making strongly effective conclusions 4) There is a strong critical analysis of the data 5) There are many references with strong relevancy 6) Strongly matching literature

<p>and questions</p> <p>7) Using non-standardized language and poor cohesion</p> <p>8) No explanation about the implications of the topics being discussed</p> <p>9) Essay is not systematically-structured</p>	<p>question</p> <p>7) Using standard language with good cohesion between sentences</p> <p>8) The implications of the topics being discussed are explained yet less thoroughly</p> <p>9) Essay is not systematically-structured</p>	<p>(theory, research) and questions</p> <p>7) Using standard language and sentences are cohesive</p> <p>8) There is a unique and critical explanation of the implications of the topics being discussed</p> <p>9) Essay is systematically-arranged</p>	<p>review (theory, research) and questions</p> <p>7) Using standard language with strong cohesion between sentences</p> <p>8) There is a unique and very critical explanation of the implications of the topics being discussed</p> <p>9) Essay is systematically and neatly arranged</p>
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Report

Under the average (score 1 – 4)	Within the Average (score 5 – 8)	Above the Average (score 9 – 12)	Perfect (score 13 – 15)
<p>1) Not using the right analytical method</p> <p>2) Incorrect data analysis</p> <p>3) Making wrong conclusions</p> <p>4) No critical analysis of the data available</p> <p>5) No references</p> <p>6) Unmatched literature review (theory, research) and questions</p> <p>7) Using non-standardized language and poor cohesion</p> <p>8) No explanation about the implications of the topics being discussed</p> <p>9) Report is not systematically-structured</p>	<p>1) Using acceptable analytical methods</p> <p>2) Data are well analyzed</p> <p>3) Making relevant conclusions</p> <p>4) There is a fairly critical analysis of the data</p> <p>5) There are only one or two references yet irrelevant</p> <p>6) Matching literature review (theory, research) and question</p> <p>7) Using standard language with good cohesion between sentences</p> <p>8) The implications of the topics being discussed are explained yet less thoroughly</p> <p>9) Report is relatively not systematically-structured</p>	<p>1) Using a relatively precise analysis method</p> <p>2) Proper data analysis</p> <p>3) Making the right conclusion</p> <p>4) Critical analysis of the data is found</p> <p>5) There are many references yet irrelevant at this point</p> <p>6) Matching literature review (theory, research) and questions</p> <p>7) Using standard language and sentences are cohesive</p> <p>8) There is a unique and critical explanation of the implications of the topics being discussed</p> <p>9) Report is systematically-arranged</p>	<p>1) Using the correct analytical method</p> <p>2) Effective data analysis</p> <p>3) Making strongly effective conclusions</p> <p>4) There is a strong critical analysis of the data</p> <p>5) There are many references with strong relevancy</p> <p>6) Strongly matching literature review (theory, research) and questions</p> <p>7) Using standard language with strong cohesion between sentences</p> <p>8) There is a unique and very critical explanation of the implications of the topics being discussed</p> <p>9) Report is systematically and neatly arranged</p>