

CHAPTER IV

FINDING AND DISCUSSION

This chapter consists of two parts, they are findings and discussion. Findings and discussion are presented supported the research question that's associated with the Anderson Taxonomy that include within the assessment in lesson plans made by English education department students of 2018.

The test results obtained so as to pick out participants are presented in table 4.1 and table 4.2. After selecting the participants, the researcher asks the remaining participant lesson plans to be researched. The lesson plans obtained are presented in table form in Table 4.3 and so on. Next to clarify the research results, the data are described within the kind of analysis in the next subsection, namely the discussion section. The results of the analysis are is expected to be an outline of the assessment particularly the psychomotor domain in lesson plans by English Education Department students of 2018 are fulfilled Anderson Taxonomy.

A. Finding

1. Test of Anderson Taxonomy to 33 English Education Department students of 2018

This test aims to rule out participants. The test given focuses on the 5 categories that Dave describes in his theory, namely: 1. **Imitation** (key words: copy, follow, mimic, repeat, replicate, reproduce, trace) 2. **Manipulation** (key words: act, build, execute, perform) 3. **Precision** (key words: calibrate, demonstrate, master, perfectionism) 4. **Articulation** (key words:

Adapt, construct, combine, create, customize, modifies, formulate) 5. **Naturalization** (key words: create, design, develop, invent, and manage, naturally).

The test was given within the kind of examination with some questions which is there are the answer's choice available selected by 33 students of the English Education Department student of 2018. The test is given as many as 15 questions which are divided into 3 parts. Part A is 5 multiple choice questions where it asks about the definition of the extent of the psychomotor domain. Part B is 5 multiple choice sentences that use the action verb from the psychomotor domain where the activity asks about the psychomotor domain level. And part C tries to make 5 psychomotor sentences using the action verbs provided. There are some table that describe the assessment specifically psychomotor domain in lesson plans made by English Education Department students of 2018.

Table 1. Test Results Anderson Taxonomy Class A, B, C, And D

NO	Name	Class	Multiple Choice Questions	Multiple Choice Sentences	Making Sentences	Score
1	Student 1	A	4	3	4	11/15
2	Student 2	A	4	4	5	13/15
3	Student 3	A	4	5	5	14/15
4	Student 4	A	1	4	5	10/15
5	Student 5	B	4	4	0	8/15
6	Student 6	B	1	3	0	4/15
7	Student 7	B	4	5	5	14/15
8	Student 8	B	1	5	4	10/15
9	Student 9	B	0	3	0	3/15

10	Student 10	B	3	2	0	5/15
11	Student 11	B	4	1	5	10/15
12	Student 12	C	3	1	5	9/15
13	Student 13	C	2	1	5	8/15
14	Student 14	C	4	3	5	12/15
15	Student 15	C	3	1	0	4/15
16	Student 16	C	3	5	0	8/15
17	Student 17	C	2	3	5	10/15
18	Student 18	C	0	3	5	8/15
19	Student 19	C	0	1	5	6/15
20	Student 20	C	1	1	5	7/15
21	Student 21	C	0	3	4	7/15
22	Student 22	C	2	1	4	7/15
23	Student 23	D	1	0	0	1/15
24	Student 24	D	3	5	5	13/15
25	Student 25	D	1	1	3	5/15
26	Student 26	D	3	5	4	12/15
27	Student 27	D	1	1	5	7/15
28	Student 28	D	0	1	0	1/15
29	Student 29	D	2	1	3	6/15
30	Student 30	D	4	3	5	12/15
31	Student 31	D	2	0	5	7/15
32	Student 32	D	0	1	0	1/15
33	Student 33	D	1	1	5	7/15

Based on the data, the researcher found that some students had insufficient average scores to take their lesson plan sample. Researcher only took lesson plans from students who answered correctly with a minimum score of 8 out of 15 questions.

Table 2. Test Results Students Who Answered Correctly With A Minimum Score Of 8 Out Of 15 Questions

NO	Name	Class	Multiple Choice Questions	Multiple Choice Sentences	Making Sentences	Score
1	Student 1	A	4	3	4	11/15
2	Student 2	A	4	4	5	13/15
3	Student 3	A	4	5	5	14/15
4	Student 4	A	1	4	5	10/15
5	Student 5	B	4	4	0	8/15
6	Student 7	B	4	5	5	14/15
7	Student 8	B	1	5	4	10/15
8	Student 11	B	4	1	5	10/15
9	Student 12	C	3	1	5	9/15
10	Student 13	C	2	1	5	8/15
11	Student 14	C	4	3	5	12/15
12	Student 16	C	3	5	0	8/15
13	Student 17	C	2	3	5	10/15
14	Student 18	C	0	3	5	8/15
15	Student 24	D	3	5	5	13/15
16	Student 26	D	3	5	4	12/15
17	Student 30	D	4	3	5	12/15

From the data in table 2, it can be concluded that only 17 students had sufficient average scores to take their lesson plan sample. After that, the researcher asked the 17 students' lesson plans to be studied.

2. Theory Dave

Of all the lesson plans made by 17 English Education Department students of 2018 who had been given a previous test, the researchers found that the theory they used in making psychomotor assessments was Dave's theory. They use verbs in the category imitation, manipulation, precision, articulation, and naturalization. This is evidenced by looking at the table 4.3 – table 4.8.

3. Lesson Plan Made by 17 English Education Department Students of 2018

From the analysis of 6 bundles of lesson plan, there are describe assessment specifically psychomotor domain in 6 bundle of lesson plans that made by 17 English Education Department Students of 2018. In 6 bundle of lesson plans, there are different levels starting from junior high school grade 7 to 9 junior high school and senior high school grade 10 to 12 senior high school. There are some table that describe the assessment specifically psychomotor domain in lesson plan made by 17 English Education Department Students of 2018 have deal with Anderson Taxonomy.

Lesson Plan of the 7th Grade of Junior High School

Tabel 4. 3 Lesson Plan of Bundles 1

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 17	7	Create	Articulation	Dave
				Naturalization	
2	Student 26	7	Create	Articulation	Dave
				Naturalization	
			Present (demonstrate)	Precision	Dave

Based on the data, the researcher found Dave theory in their lesson plan. For 7th grade of Junior High School 1 lesson plan used *articulation and naturalization* as category of Anderson Taxonomy with keyword of Psychomotor's actions *create*. And 1 lesson plan used *articulation, naturalization, and precision* as category of Anderson Taxonomy with keyword of Psychomotor's actions *create and present (demonstrate)*.

Lesson Plan of the 8th Grade of Junior High School

Tabel 4. 4 Lesson Plan of Bundles 2

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 2	8	Make (create)	Articulation	Dave
				Naturalization	
2	Student 7	8	Make (create)	Articulation	Dave
				Naturalization	
3	Student 5	8	Create	Articulation	Dave
				Naturalization	

			Perform	Manipulation	
4	Student 18	8	Perform	Manipulation	Dave
5	Student 24	8	Create	Articulation	Dave
				Naturalization	
			Present (demonstrate)	Precision	

Based on the data, the researcher found Dave theory in their lesson plan. For 8th grade of Junior High School 2 lesson plans used *articulation and naturalization* as category of Anderson Taxonomy with keyword of Psychomotor's action *make (create)*. 1 lesson plans used *articulation, naturalization, and manipulation* as category of Anderson Taxonomy with keyword of Psychomotor's action *create and perform*. 1 lesson plan used *manipulation* as category of Anderson Taxonomy with keyword of Psychomotor's actions *perform*. And 1 lesson plan used *articulation, naturalization, and precision* as category of Anderson Taxonomy with keyword of Psychomotor's actions *create and present (demonstrate)*.

Lesson Plan of the 9th Grade of Junior High School

Tabel 4. 5 Lesson Plan of Bundles 3

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 14	9	Present (demonstrate)	Precision	Dave

Based on the data, the researcher found Dave theory in their lesson plan. For 9th grade of Junior High School 1 lesson plan used *precision* as category of Anderson Taxonomy with keyword of Psychomotor's action *present (demonstrate)*.

Lesson Plan of the 10th Grade of Senior High School

Tabel 4. 6 Lesson Plan of Bundles 4

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 1	10	Design	Naturalization	Dave
			Demonstrate	Precision	
2	Student 4	10	Make (create)	Articulation	Dave
				Naturalization	
3	Student 8	10	-	-	-
4	Student 12	10	-	-	-
5	Student 16	10	-	-	-

Based on the data, the researcher found Dave theory in their lesson plan. For 10th grade of Senior High School 1 lesson plan used *naturalization and precision* as category of Anderson Taxonomy with keyword of Psychomotor's action *design and demonstrate*. 1 lesson plan used *articulation and naturalization* as category of Anderson Taxonomy with keyword of Psychomotor's action *make (create)*. And 3 lesson plans with no action verb.

Lesson Plan of the 11th Grade of Senior High School

Tabel 4. 7 Lesson Plan of Bundles 5

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 11	11	Create	Articulation	Dave
				Naturalization	
			Perform	Manipulation	
2	Student 13	11	Create	Articulation	Dave
				Naturalization	
3	Student 30	11	-	-	-

Based on the data, the researcher found Dave theory in their lesson plan. For 11th grade of Senior High School 1 lesson plan used *articulation, naturalization, and manipulation* as category of Anderson Taxonomy with keyword of Psychomotor's action *create and perform*. 1 lesson plan used *articulation and naturalization* as category of Anderson Taxonomy with keyword of Psychomotor's action *create*. And 1 lesson plan with no action verb.

Lesson Plan of the 12th Grade of Senior High School

Tabel 4. 8 Lesson Plan of Bundles 6

NO	Name	Grade	Keyword of Psychomotor's Action	Category	Theory
1	Student 3	12	Create	Articulation	Dave
				Naturalization	
			Present (demonstrate)	Precision	

Based on the data, the researcher found Dave theory in their lesson plan. For 12th grade of Senior High School 1 lesson plan used *articulation, naturalization, and precision* as category of Anderson Taxonomy with keyword of Psychomotor's action *create and present (demonstrate)*.

B. Discussion

1. The assessment, especially, psychomotor domain in lesson plans made by English Education Department students of 2018 fulfill with Anderson Taxonomy.

Table 4.9 Psychomotor Sentences in Lesson Plan Made by English Education Department Students of 2018

Lesson Plan of the 7th Grade of Junior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 17	7	Create	Articulation	To create the simple sentences related to compare amount person's behavior, animal and thing with attention to good grammatical	Dave
				Naturalization		
2		7	Create	Articulation		

	Student 26		Naturalization	Create a simple short conversation with greeting and leave taking to social functions, text structure and linguistic elements of interpersonal text	Dave
		Present (demonstrate)	Precision	Present social function of interpersonal text in daily life	Dave

Lesson Plan of the 8th Grade of Junior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 2	8	Make (create)	Articulation	Teachers and students discuss how to make their own greeting cards based on the purpose of the greeting cards	Dave
				Naturalization		
2	Student 7	8	Make (create)	Articulation	Students practice making birthday invitation card using appropriate and polite words	Dave
				Naturalization		
3	Student 5	8	Create	Articulation	To create a transactional text about commanding that is accurate and precise	Dave
				Naturalization		

			Perform	Manipulation	To perform their transactional text about commanding that is accurate and precise in front of class.	
4	Student 18	8	Perform	Manipulation	To perform transactional conversation text about warning in a group in front of class	Dave
5	Student 24	8	Create	Articulation	To create a conversation about future plan using simple future tense in a conversation	Dave
				Naturalization		
			Present (demonstrate)	Precision	To present conversation about future plan using simple future tense in a conversation	

Lesson Plan of the 9th Grade of Junior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 14	9	Present (demonstrate)	Precision	The students will be able to present the result of their discussion in front of the class about the messages of the song	Dave

Lesson Plan of the 10th Grade of Senior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 1	10	Design	Naturalization	To design a simple conversation of congratulations and compliment expressions	Dave
			Demonstrate	Precision	To demonstrate congratulation and compliment expressions	
2	Student 4	10	Make (create)	Articulation	The teacher and students play a game (Making Dialogue Game)	Dave
				Naturalization		
3	Student 8	10	-	-	-	-
4	Student 12	10	-	-	-	-
5	Student 16	10	-	-	-	-

Lesson Plan of the 11th Grade of Senior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 11	11	Create	Articulation	To create a short functional texts about simple formal	Dave
				Naturalization		

					invitation that is good, interesting and precise	
			Perform	Manipulation	To perform short functional texts about simple formal invitation that is good, interesting precise in front of the class	
2	Student 13	11	Create	Articulation	Create the Explanation Text individually and grammatically meaningfully	Dave
				Naturalization		
3	Student 30	11	-	-	-	-

Lesson Plan of the 12th Grade of Senior High School

NO	Name	Grade	Keyword of Psychomotor's Action	Category	The Sentences of Assessment of Psychomotor in Lesson Plan	Theory
1	Student 3	12	Create	Articulation	Create a simple invitations with attention to social functions, text structure and linguistic elements of direct and indirect sentence	Dave
				Naturalization		
			Present (demonstrate)	Precision	Present social function of direct and indirect	Dave

					sentence in daily life	
2	Student 5	12	-	-	-	Dave

From the data that have been gathered of 6 bundles of lesson plan by English Education Department students of 2018, researcher found that the theory they used in making psychomotor assessments in their lesson plans was Dave's theory. Researcher found not only one action verb of psychomotor domain that they used in their lesson plans, but there were also several students who included two or more action verbs of psychomotor domain in their lesson plans. The total of action verbs of psychomotor domain in the 17 lesson plans, there are 19 action verbs of psychomotor domains.

The researcher found most of the students use *articulation (P4)* and *naturalization (P5)* with *create* as action verb of psychomotor domain to describe the psychomotor domain in assessment in their lesson plan, there are 10 lesson plans written by the students who use this word. Next, there are 5 lesson plans used *precision (P3)* with *present (demonstrate)* as the action verb, there are 3 lesson plans used *manipulation (P2)* with *perform* as the action verb, and the last 1 lesson plans used *naturalization (P5)* with *design* as the action verb. This is the percentage of the use action verb of Anderson Taxonomy by Dave's theory in their lesson plans.

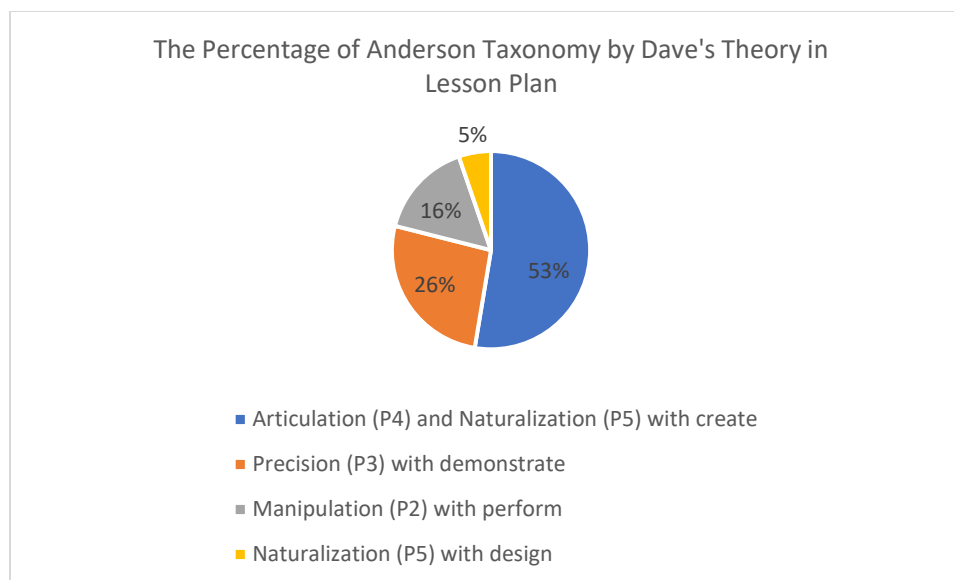


Figure 2. The percentage of the use action verb of Anderson Taxonomy by Dave's theory in lesson plans made by English Education Department students of 2018.

Next, from 17 lesson plans there are 4 lesson plans that was not using action verbs and was not attaching the psychomotor domain in their assessment. And there found 6 lesson plans that have 2 action verbs of psychomotor domain.

In making lesson plan, the assessment especially psychomotor domain should balance between the target and indicator of learning. In lesson plan that made by English Education Department students of 2018, it found that they wrote different material with various objective and indicator of learning. But, within the psychomotor assessment, many of them wrote same verb. Even though, in psychomotor domain of Anderson Taxonomy by Dave's theory have many action verb that they will used as their assessment.

Based on that category, their lesson plans have fulfill with the Anderson Taxonomy by Dave's theory because in their lesson plans they put some action verb that based on Anderson Taxonomy by Dave's theory in their psychomotor assessment. But, they can

more explore the action verb of psychomotor domain in Anderson Taxonomy by Dave's theory.