

Appendix 1. Interview Protocol

Purpose	References	Questions for interview
		<ol style="list-style-type: none"> 1. Apa sajakah mata kuliah yang pernah menggunakan online learning dan jenis online learning yang digunakan? 2. Dari mata kuliah yang disebutkan tadi, apa saja macam-macam kegiatannya ?
<p>a. Interaction</p>	<p>a. Interaction: (Anderson, 2008).</p> <ul style="list-style-type: none"> - <u>student – student interaction</u> : peer interaction in online learning allow the students to enhance interpersonal skills and knowledge shared by community members as well as in the formal curriculum - <u>student – content interaction:</u> (1) online help facility or an intelligent help. (2) to acquire the knowledge through the use of the environment including navigational use, answer to questions - <u>student – teacher interaction</u> : to support the emergence of greater student commitment and participation - <u>teacher – content interaction</u> : the creation of teacher - <u>teacher – teacher interaction:</u> broader the opportunity for teacher to professional development and support through supportive communities. - <u>Feedback on assessment</u> : giving written feedback and marked on assignment of students drives for improvement and further resources to enhance understanding of key 	<ol style="list-style-type: none"> 1. Interaksi apa sajakah yang kamu alami selama pembelajaran menggunakan online learning? 2. Apa saja kegiatan dalam online learning yang pernah dilakukan selama ini? 3. Bagaimanakah pengaruh kegiatan tersebut pada proses pembelajaran anda?

	<p>concepts (Lim & Honey , 2003)</p> <ul style="list-style-type: none"> - Group discussion : Giving more emphasis on the advantages and encourages students to join the discussion can enhance student interaction on the discussion forum (Lim & Honey , 2003) 	
b. Language Skill	<ul style="list-style-type: none"> - online learning forum helps students to enhance language proficiency especially in terms of vocabulary and sentence structures Krish, Hussin, and Sivapuniam (2010) - online learning experiences brings very positive effect on language development and especially it can enhance grammatical competence Lee (2002) - demanding higher English writing proficiency (Zhao & McDougall, 2008) - Reading text, the vocabulary and grammar can be enhanced, and listening to audio material can also enhance pronunciation (Soliman, 2014). 	<ol style="list-style-type: none"> 1. Bagaimanakah pengaruh yang kamu rasakan ketika menggunakan online learning dalam hal skill berbahasa ?
c. Pre-service Teachers' Preferences	<ul style="list-style-type: none"> - Edmodo (Cauley, 2014) - Blog (Wu, 2006) - Yammer (Gramp, 2013) - Schoology (Gaillard, 2010) - Facebook (Riady, 2014) - Twitter (McArthur & Conway , 2012) - you tube (Seitz, et al., 2011) - Yahoo messenger (Ali, 2015) - Moodle (Yaman, 2010) 	<ol style="list-style-type: none"> 3. Dari semua pembelajaran yang menggunakan online learning, manakah yang menurut anda paling anda sukai ? 4. Sebutkan alasannya ?

	Wiki (Dudeney & Hockly, 2007)	
d. The Strengths and Weaknesses 1. Strengths	Strengths: <ul style="list-style-type: none"> - Students can access the online material anytime (Ally, 2008) - Flexibility in terms of time and place (Ally, 2008) - the materials in online learning can be updated, and students can access and see the changes immediately (Ally, 2008) - If designed properly, online learning system can be used to determine students' needs and current level of expertise, and to assign appropriate materials for students to select from, to achieve desired learning outcomes (Ally, 2008) - course content in asynchronous online learning gives opportunities for students to learn more and reflect more deeply Zhao and McDougall (2008) - Online learning environment, students learn more quickly since everyone in the online environment has awareness in the process of learning and students can learned one to another Gabriel (2004). - flexibility and convenience like online learning can access the lesson anytime and anywhere (Smart & Cappel , 2006) - It gives immediate feedback and students can take opportunity to gain learning experience (Smart & Cappel , 2006) 	1. Menurut pendapat kamu, apa saja kelebihan yang kamu rasakan ketika menggunakan online learning?

<p>2. Weaknesses</p>	<p>Weaknesses:</p> <ul style="list-style-type: none"> - Comparing with face to face course, online learning spent more time (Zhao & McDougall, 2008) - Lack of communication (Zhao & McDougall, 2008) - Decrease oral communication proficiency skill (Zhao & McDougall, 2008) - students lost the thread of the ideas since the time flexibility feature allows them to procrastinate in participating in discussion (Zhao & McDougall, 2008) - Decrease social relationship among the students (Soliman, 2014) - Lack of an actual teachers' feedback. (Soliman, 2014) - Since the test assessments in online learning delivered through the use of proxy, it caused loss control or regulate in the context of bad activities like cheating. Last, online learning probably misled to plagiarism as well as the ease of copy and paste (Arkorful & Abaidoo , 2014) 	<p>1. Sebaliknya, Menurut kamu apa sajakah kekurangan dari penggunaan online learning ?</p>
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Appendix 2. Selective Coding

Selective Coding Semesters and Subjects which used Online Learning		
Point	Translated statement	Theme
Used Online Learning in the first semester on Basic Reading and Writing and Academic Reading and Writing subject	<p>(P1.1) In the first semester, in first year we used e-learning at pbi.umy.ac.id website on Basic Reading and Writing and Academic Reading and Writing subject.</p> <p>(P2.5) In the first semester, the subject of Basic Reading and Writing and Academic Reading and Writing used e-learning on website pbi.umy.ac.id.</p> <p>(P3.1) On the first semester on Basic Reading and Writing and Academic Reading and Writing subject, we used e-learning pbi.umy.ac.id</p> <p>(P4.1) Online learning started in the first semester especially on Mr. Endro's subject Basic Reading and Writing and Academic Reading and Writing</p> <p>(P4.3) On the first semester used pbi.umy.ac.id</p> <p>(P5.1) For first semester, Basic Reading and Writing we used e-learning pbi.umy.ac.id. Then on Academic Reading and Writing subject, we also used e-learning pbi.umy.ac.id</p> <p>(P6.1) Since the first semester, Basic Reading and Writing & Academic Reading and Writing, we used blog. No, I mean <i>e-learning</i> at pbi.umy.ac.id.</p>	<p>(P1.1) In the first semester, the subject of Basic Reading and Writing and Academic Reading and Writing used e-learning on website pbi.umy.ac.id.</p> <p>(P2.5) In the first semester on subject Basic Reading and Writing and Academic Reading and Writing used e-learning pbi.umy.ac.id.</p> <p>(P3.1) First semester on Basic Reading and Writing and subject Academic Reading and Writing used e-learning at pbi.umy.ac.id</p> <p>(P4.1) First semester on subject Basic Reading and Writing and Academic Reading and Writing.</p> <p>(P4.3) First semester used pbi.umy.ac.id.</p> <p>(P5.1) In the first semester Basic Reading and Writing and Academic Reading and Writing used e-learning pbi.umy.ac.id.</p> <p>(P6.1) First semester on Basic Reading and Writing & Academic Reading and Writing subject, we used <i>e-learning</i> pbi.umy.ac.id.</p>
Used Online Learning in the second semester	(P1.8) In the first and second semester, Basic Reading and Writing and Academic Reading	(P1.8) Basic Reading and Writing and Academic

<p>on Argumentative Reading and Writing Reading and Writing for Career Development subject</p>	<p>and Writing used e-learning at pbi.umy.id. We upload our assignment there in order to be paper less. (P1.9) Answer question forum for assignment. (P2.12) Then, in second semester on Argumentative Reading and Writing and Reading and Writing for Career Development was also used same system such as uploaded our writing assignment and downloaded our friends' assignment. (P3.8) On second semester Argumentative Reading and Writing and Reading and Writing for Career Development it just the same system with first semester, we uploaded the assignment in e-learning pbi.umy.ac.id (P5.8) Usually if it used e-learning pbi.umy.ac.id, we got the assignment, and then we uploaded the assignment in there. (P6.2) In semester 2, Argumentative Reading and Writing, we used <i>e-learning</i> pbi.umy.ac.id. We need to upload our assignment and we also could see our friend's assignment.</p>	<p>Reading and Writing are upload assignment. (P1.9) Answer question forum for assignment. (P2.12) Second semester on Argumentative Reading and Writing and Reading and Writing for Career Development was uploaded writing assignment and downloaded friends' assignment. (P3.8) Second semester Argumentative Reading and Writing and Reading and Writing for Career Development students made the assignment and uploaded on e-learning. (P5.8) In the E-learning pbi.umy.ac.id, students got some assignments, and then they uploaded the assignment. (P6.2) Second semester on Argumentative Reading and Writing subject, we used <i>e-learning</i> at pbi.umy.ac.id. Students need to upload our assignment and we also could see our friend's assignment.</p>
<p>Used Online Learning in the second semester on Online Computer subject</p>	<p>(P1.2) In the second semester, in the second year, we used e-learning (pbi.umy.ac.id). (P1.6) in second semester, Argumentative Reading and Writing, Reading and Writing for Career Development subject.</p>	<p>(P1.2) In the second semester, we used at e-learning pbi.umy.ac.id. (P1.6) in second semester, Argumentative Reading and Writing, Reading and Writing for Career Development subject.</p>

	<p>(P2.6) In the second semester, in the second year, we used e-learning (pbi.umy.ac.id).</p> <p>(P3.2) On the second semester, Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning at pbi.umy.ac.id, so it just like on first semester and second semester</p> <p>(P4.4) In the second semester we also used e-learning and it is still with Mr.Endro, but he now takes study abroad.</p> <p>(P4.5) On Argumentative Reading and Writing and Reading and Writing for Career Development subject, we used same link pbi.umy.ac.id.</p> <p>(P5.2) Then at the second semester on Argumentative Reading and Writing and Reading and Writing for Career Development subject, we used e-learning pbi.umy.ac.id.</p> <p>(P6.2) In semester 2, Argumentative Reading and Writing, we used <i>e-learning</i> pbi.umy.ac.id. We need to upload our assignment and we also could see our friend's assignment.</p>	<p>(P2.6) The second semester on subject Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning (pbi.umy.ac.id).</p> <p>(P3.2) The second semester on Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning at pbi.umy.ac.id.</p> <p>(P4.4) Second semester used e-learning at pbi.umy.ac.id.</p> <p>(P4.5) Argumentative Reading and Writing and Reading and Writing for Career Development subject used link pbi.umy.ac.id.</p> <p>(P5.2) In the second semester on subject Argumentative Reading and Writing and Reading, and Writing for Career Development also used e-learning pbi.umy.ac.id.</p> <p>(P6.2) In semester 2, Argumentative Reading and Writing, we used <i>e-learning</i> pbi.umy.ac.id. We need to upload our assignment and we also could see our friend's assignment.</p>
<p>Used Online Learning in the fifth semester on Innovative Technology subject.</p>	<p>(P1.11) On innovative Technology subject in fifth semester, we make teaching materials in one of online sites such as BlogSpot, WordPress, Edmodo, Padlet, and Yammer.</p> <p>(P4.8) Fifth semester with Miss Darsi on Innovative Technology.</p>	<p>(P1.11) Innovative Technology makes teaching material in one of online situs such as BlogSpot, WordPress, Edmodo, Padlet, and Yammer.</p> <p>(P4.8) Fifth semester, in Innovative Technology subject.</p>

	(P5.5) In the fifth semester also on Innovative Technology, we used BlogSpot or WordPress or other like Edmodo and etc.	(P5.5) In the fifth semester on subject Innovative Technology used BlogSpot or WordPress, Edmodo and etc.
Used Online Learning in the fifth semester on Material subject.	(P1.3) In fifth semester on Material Design used blog in WordPress. (P2.8) Then in the fifth semester we also used wordpress.com on Material Design subject. (P3.4) Then on fifth semester on Material Design on WordPress, but the WordPress was made by lecturer. (P5.4) Then in the fifth semester on Material Design subject also used blog on WordPress. (P6.4) WordPress in Material Design subject, we share our assignment from lecturer then we need to give comment and also the lecturer will give time deadline	(P1.3) In fifth semester, Material Design used blog which is WordPress. (P2.8) Fifth semester on subject Material Design used wordpress.com. (P3.4) Fifth semester on Material Design used WordPress. (P5.4) In the fifth semester on subject Material Design used blog on WordPress. (P6.4) On subject Material Design, students share their assignment from lecturer, give comment.
Used Online Learning in the seventh semester on Interpreting subject	(P1.5) In the seventh semester on subject Interpreting used e-learning on yk.edu.org website and Academic Presentation used Edmodo. (P2.9) Then in the seventh semester we used e-learning, but it was not in pbi.umy.ac.id but in yk.edu.org website for Interpreting subject. (P3.5) On the seventh semester on Interpreting we learned in e-learning used yk.edu website (P4.10) Seventh semester in Interpreting subject with Mr.Puthut used e-learning. (P4.12) The website was on yk.edu.org	(P1.5) In the seventh semester, Interpreting subject used e-learning at yk.edu.org website and Academic Presentation subject used Edmodo. (P2.9) Seventh semester on subject Interpreting used e-learning yk.edu.org. (P3.5) Seventh semester Interpreting used yk.edu (P4.10) Seventh semester in Interpreting subject with used e-learning. (P4.12) The website was on yk.edu.org

	<p>(P5.6) Then on the seventh semester on subject Interpreting, we used e-learning yk.edu.org</p> <p>(P6.5) In the seventh semester in Interpreting class with Mr.Puthut also used yk.edu.org, and it just the same that we share our comment about the text.</p>	<p>(P5.6) In the seventh semester on subject Interpreting used e-learning yk.edu.org</p> <p>(P6.5) In the seventh semester on subject Interpreting class used yk.edu.org, and students share their comment about the text.</p>
Used Online Learning in the seventh semester on Academic Presentation subject	<p>(P1.5) In the seventh semester on subject Interpreting used e-learning on yk.edu.org website and Academic Presentation used Edmodo.</p> <p>(P2.10) Then, on subject Academic Presentation was different because we used Edmodo.</p> <p>(P3.6) The second one in seventh semester was Academic Presentation used Edmodo.</p> <p>(P4.14) Miss Fitria taught us with the use of Edmodo. So, when we log in we used our own account.</p> <p>(P5.7) Then in the seventh semester on subject Academic Presentation used Edmodo.</p> <p>(P6.6) On subject Academic Presentation with Miss Fitria, we used Edmodo. In Edmodo we share our assignment, then Miss Fitria will give comment. Then we also have cooment activities and comment on our friends also.</p>	<p>(P1.5) In the seventh semester, Interpreting subject used e-learning at yk.edu.org website and Academic Presentation subject used Edmodo.</p> <p>(P2.10) On subject Academic Presentation used Edmodo.</p> <p>(P3.6) Seventh semester Academic Presentation used Edmodo</p> <p>(P4.14) Lecturer taught us with the use of Edmodo.</p> <p>(P5.7) In the seventh semester on subject Academic Presentation used Edmodo.</p> <p>(P6.6) On subject Academic Presentation, students used Edmodo. In Edmodo students share/upload their assignment, the lecturer will give comment, and comment activities.</p>

Selective Coding		
Activities in each subject which used Online Learning		
Point	Translated statement	Theme
Basic Reading and Writing Academic Reading and Writing	(P1.8) In the first and second semester, Basic Reading and Writing and Academic Reading and Writing used e-learning at	(P1.8) Basic Reading and Writing and Academic Reading and Writing are upload assignment.

	<p>pbi.umy.id. We upload our assignment there in order to be paper less.</p> <p>(P1.9) Answer question forum for assignment.</p> <p>(P2.11) In the first semester on Basic Reading and Writing and Academic Reading and Writing we got assignment on writing then we uploaded it in e-learning pbi.umy.ac.id. Then, we can see our friends' assignment and also we can downloaded it.</p> <p>(P3.7) On first semester on Basic Reading and Writing and Academic Reading and Writing, firstly we made assignment then upload.</p> <p>(P4.2) In first semester we submitted our assignment like essay or paper and if I am not mistaken about descriptive, sorry I mean it is not paper but genre text. We submitted in e-learning</p> <p>(P5.8) Usually if it used e-learning pbi.umy.ac.id, we got the assignment, and then we uploaded the assignment in there.</p> <p>(P6.7) In Basic Reading and Writing subject, we got a reading assignment then we gave the comment and shared our writing comment that can be read by everyone, our classmate, our friend in the same batch. From this activities we can see the one who is active and also we get grammatical checking or we can also check our friend assignment. It just like you are still lack with this, and it just like discussion forum.</p>	<p>(P1.9) Answer question forum for assignment.</p> <p>(P2.11) First semester on subject Basic Reading and Writing and Academic Reading and Writing are assignment on writing, uploaded, and download.</p> <p>(P3.7) First semester on subject Basic Reading and Writing and Academic Reading and Writing, the students made the assignment and upload on e-learning.</p> <p>(P4.2) First semester was submitted assignment.</p> <p>(P5.8) In the E-learning pbi.umy.ac.id, students got some assignments, and then they uploaded the assignment.</p> <p>(P6.7) In Basic Reading and Writing subject, students got a reading assignment then they give the comment</p>
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<p>Argumentative Reading and Writing Reading and Writing for Career Development</p>	<p>(P1.2) In the second semester, in the second year, we used e-learning (pbi.umy.ac.id). (P1.6) in second semester, Argumentative Reading and Writing, Reading and Writing for Career Development subject. (P2.6) In the second semester, in the second year, we used e-learning (pbi.umy.ac.id). (P3.2) On the second semester, Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning at pbi.umy.ac.id, so it just like on first semester and second semester (P4.4) In the second semester we also used e-learning and it is still with Mr.Endro, but he now takes study abroad. (P4.5) On Argumentative Reading and Writing and Reading and Writing for Career Development subject, we used same link pbi.umy.ac.id. (P5.2) Then at the second semester on Argumentative Reading and Writing and Reading and Writing for Career Development subject, we used e-learning pbi.umy.ac.id. (P6.2) In semester 2, Argumentative Reading and Writing, we used <i>e-learning</i> pbi.umy.ac.id. We need to upload our assignment and we also could see our friend's assignment.</p>	<p>(P1.2) In the second semester, we used at e-learning pbi.umy.ac.id. (P1.6) in second semester, Argumentative Reading and Writing, Reading and Writing for Career Development subject. (P2.6) The second semester on subject Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning (pbi.umy.ac.id). (P3.2) The second semester on Argumentative Reading and Writing and Reading and Writing for Career Development used e-learning at pbi.umy.ac.id. (P4.4) Second semester used e-learning at pbi.umy.ac.id (P4.5) Argumentative Reading and Writing and Reading and Writing for Career Development subject used link pbi.umy.ac.id. (P5.2) In the second semester on subject Argumentative Reading and Writing and Reading, and Writing for Career Development also used e-learning pbi.umy.ac.id. (P6.2) Second semester on Argumentative Reading and Writing subject, we used <i>e-learning</i> at pbi.umy.ac.id. Students need to upload our assignment and we also could see our friend's assignment.</p>
<p>Online Computer</p>	<p>(P1.10) In Online Computer, we create blog at WordPress or BlogSpot, so we learn how to</p>	<p>(P1.10) In Online Computer is creating blog at WordPress or BlogSpot.</p>

	<p>create blog and how to operate it.</p> <p>(P2.13) Then, might be little different. We create blog and then we asked to post everything about English, they also taught us how to make blog that can result some money.</p> <p>(P3.9) Like I said the previous about Online Computer, we created blog then we filled our blog.</p> <p>(P4.7) During this semester which we asked to create blog on BlogSpot, UMY blog, and If I am not mistaken used WordPress.</p> <p>(P5.9) Then for Online Computer, we made blog on WordPress or BlogSpot and UMY blog, so we learned how to make some posts in blog and it was considered about how many post we should do.</p> <p>(P6.3) They taught how to create blog in wordpress in Online Computer, we learn how to create a blog and we can decide what we will post in blog</p>	<p>(P2.13) Online compute created blog at WordPress and BlogSpot.</p> <p>(P3.9) On subject Online Computer created blog, design, and posting.</p> <p>(P4.7) Students create blog on BlogSpot, UMY blog, WordPress.</p> <p>(P5.9) In the Online Computer, student made blog on WordPress or BlogSpot and UMY blog, they learned how to make some posts in blog and it was considered about how many post we should do.</p> <p>(P6.3) On Online Computer, we learn how to create a blog in WordPress</p>
Innovative Technology	<p>(P1.11) On innovative Technology subject in fifth semester, we make teaching materials in one of online sites such as BlogSpot, WordPress, Edmodo, Padlet, and Yammer.</p> <p>(P4.9) In this subject we did not make blog, but we needed to choose based on her option which include BlogSpot, WordPress, Edmodo, padlet and yammer.</p> <p>(P5.11) In Innovative Technology, we learned to make teaching material which</p>	<p>(P1.11) Innovative Technology makes teaching material in one of online situs such as BlogSpot, WordPress, Edmodo, Padlet, and Yammer.</p> <p>(P4.9) In this subject students choose one of BlogSpot, WordPress, Edmodo, padlet and yammer.</p> <p>(P5.11) On subject Innovative Technology, student learned how to make teaching material which was posted in blog.</p>

	was posted in blog. Using one of blog, Edmodo, yammer, and etc.	Using one of blog, Edmodo, yammer, and etc.
Material Design	<p>(P1.13) On Material Design is group discussion that we more activities in commenting about an article and discussing an article that had decided previously.</p> <p>(P2.14) In the fifth semester on Material design Subject might little different. Lecturer gave material in online, then we needed to give our opinion, gave comment relating to reading that was given by lecturer.</p> <p>(P3.10) On Material Design, the theme appeared from lecturer then we just gave comment or uploaded the assignment</p> <p>(P5.10) On Material Design, we read journal then we gave comments and we posted the comments there. In term of comment, I mean we got some questions from lecturer on blog WordPress and we commented on that blog.</p> <p>(P6.4) WordPress in Material Design subject, we share our assignment from lecturer then we need to give comment and also the lecturer will give time deadline.</p>	<p>(P1.13) On Material Design is group discussion.</p> <p>(P2.14) In the fifth semester on Material design subject gave comment relating to reading that was given by lecturer.</p> <p>(P3.10) On subject Material Design, students uploaded assignment and gave comment based on lecturer's question.</p> <p>(P5.10) On subject Material Design, students read journal, got some question from lecturer on blog WordPress then they gave comments.</p> <p>(P6.4) sharing assignment</p>
Interpreting	<p>(P2.15) In seventh semester on subject Interpreting, lecturer gave some questions and we should post our answer in e-learning in yk.edu.org.</p> <p>(P1.14) In Interpreting is discussion. So, we got motion or theme then we can comment or give information, comment</p>	<p>(P2.15) In seventh semester Interpreting subject was commenting.</p> <p>(P1.14) In Interpreting is discussion.</p>

	<p>on our friend and mostly is group discussion.</p> <p>(P3.11) On the seventh semester in Interpreting we also uploaded the assignment</p> <p>(P3.12) On Academic presentation we have some activities. Uploaded the assignment then made biodata on the edmodo, then we can communicate with friends and lecturer also.</p> <p>(P4.11) So we answered question based on Mr. Puthut's question that is given to us and if I am not mistake we have two question then we answered those question.</p> <p>(P5.12) In Interpreting, previously we read an article then there were some questions from lecturer and the answer should be posted in e-learning yk.edu.org.</p> <p>(P6.5) In the seventh semester in Interpreting class with Mr.Puthut also used yk.edu.org, and it just the same that we share our comment about the text.</p>	<p>(P3.11) On subject Interpreting, student uploaded the assignment</p> <p>(P3.12) On subject Academic presentation, students upload the assignment, made biodata on the edmodo, communicate with friends and lecturer also.</p> <p>(P4.11) studnets answered question from lecturer we answered those question.</p> <p>(P5.12) On subject Interpreting, students read an article then there were some questions from lecturer and the answer should be posted in e-learning yk.edu.org.</p> <p>(P6.5) In the seventh semester on subject Interpreting class used yk.edu.org, and students share their comment about the text.</p>
Academic Presentation	<p>(P1.12) Academic Presentation subject, we used Edmodo and usually we upload assignment to be paper less and download material that had inform in class previously or giving comment to our friends' assignment.</p> <p>(P2.16) On subject Academic presentation we have same system like in e-learning, but when we uploaded we can get score or achievement from lecturer if we became first person who uploaded this assignment.</p>	<p>(P1.12) Academic Presentation is upload assignment, download material, and give comment.</p> <p>(P2.16) Academic presentation subject was uploaded and get reward.</p> <p>(P4.13) Subject Academic Presentation, the lecturer was</p>

	<p>(P4.13) In academic Presentation subject, the lecturer was often posted the assignment or presentation slide, so this week we learned this, then next week learned about what.</p> <p>(P5.13) In Academic Presentation we used Edmodo, we uploaded the assignment there and also the lecturer gave some information related to class activities which were posted in the Edmodo.</p> <p>(P6.6) On subject Academic Presentation with Miss Fitria, we used Edmodo. In Edmodo we share our assignment, then Miss Fitria will give comment. Then we also have comment activities and comment on our friends also.</p>	<p>often posted the assignment or presentation slide.</p> <p>(P5.13) On subject Academic Presentation, students uploaded the assignment and the lecturer give some information related to class activities.</p> <p>(P6.6) On subject Academic Presentation, students used Edmodo. In Edmodo students share/upload their assignment, the lecturer will give comment, and comment activities.</p>
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Selective Coding Kinds of interaction in online learning context		
Point	Translated statement	Theme
Student – student interaction	<p>(P1.15) Usually interaction with my friends, I mean student with student in which, we can share opinion or comment each other.</p> <p>(P2.19) Interaction between student – student</p> <p>(P3.13) Surely we interact with our classmate</p> <p>(P3.14) In some online learning we also interact with friend outside the class.</p> <p>(P4.15) Interaction with our friend or peer friends</p> <p>(P5.14) But, formerly in the Material Design, we gave some comments with friends. For example there was a written about what should we write then we replied, so it was just like online discussion.</p> <p>(P6.9) We can interact with our friends.</p>	<p>(P1.15) Interaction student with student.</p> <p>(P2.19) Interaction between student with student</p> <p>(P3.13) Interaction between student and student.</p> <p>(P3.14) Interaction between student and other students outside the class.</p> <p>(P4.15) Interaction between and student and student.</p> <p>(P5.14) Interaction between student and student.</p> <p>(P6.9) Interaction between student and student</p>
Student – teacher interaction	<p>(P1.16) Between lecturer and student, because there is an answer question session.</p> <p>(P2.20) Student to lecturer</p> <p>(P3.15) With lecturer</p> <p>(P4.16) Interaction with lecturer who teach in that particular subject.</p> <p>(P5.15) Then sometimes the lecturer gave question in our comment, so what do you mean this one, for example, please explain more like that.</p> <p>(P5.16) In Edmodo, we could ask everything about our difficulties in learning process or assignment which was not clear through Edmodo. So, the lecturer also responded through Edmodo.</p>	<p>(P1.16) Interaction between lecturer and student.</p> <p>(P2.20) Interaction between students with lecturer.</p> <p>(P3.15) Interaction between student and lecturer.</p> <p>(P4.16) Interaction between student and lecturer.</p> <p>(P5.15) Interaction between student and teacher.</p> <p>(P5.16) Interaction between student and teacher.</p>

	(P6.10) With teacher advisor.	(P6.10) Interaction between student and lecturer
Interaction between student and blog visitor.	(P6.11) With other people that maybe visit our blog and they asked or comment “where is this, how to use this”	(P6.11) Interaction between student and with blog visitor.

Selective Coding Activities in online learning context		
Point	Translated statement	Theme
Discussion	<p>(P1.17) If it is relating with students, commonly we have group discussion in one forum in e-learning, or give comment, give feedback for the content or information from our friends. Then, question and answer session.</p> <p>(P4.17) Give discussion material then my friends make it then I should answer question from topic A, then my friend is answering again, so it just like discussion but it is online discussion.</p> <p>(P6.14) Discussion</p>	<p>(P1.17) Interaction among students is group discussion, give comment, give feedback, share information, and question and answer session.</p> <p>(P4.17) Online discussion.</p> <p>(P6.14) Discussion.</p>
Feedback from lecturer	<p>(P1.18) In student and lecturer interaction, It is commonly feedback. So, lecturer mostly gives feedback in e-learning.</p> <p>(P2.18) Another possible is coming from the lecturer which usually they give like feedback.</p> <p>(P2.24) Sometimes the lecturer gives feedback from website in online learning.</p> <p>(P3.17) Usually the lecturer gives feedback. For instance, my friend’s A how about his/her writing, still lack or how, then it will be given feedback by lecturer.</p>	<p>(P1.18) Interaction between student and lecturer is feedback.</p> <p>(P2.18) Interaction with the lecturer is giving feedback.</p> <p>(P2.24) The lecturer gives feedback.</p> <p>(P3.17) The lecturer gives feedback.</p> <p>(P4.20) The activities is lecturer giving reply.</p>

	<p>(P4.20) For example, I post something then “Miss I have post, I have become the member” then the lecturer will reply I mean reply our chat.</p> <p>(P4.22) For example, submit my assignment in email. Then the teacher usually gives feedback to us or sometimes the lecturer also join group discussion.</p> <p>(P5.15) Then sometimes the lecturer gave question in our comment, so what do you mean this one, for example, please explain more like that.</p> <p>(P6.16) The lecturer just reply or feedback our comment.</p>	<p>(P4.22) Submit assignment in email and lecturer gives feedback.</p> <p>(P5.15) Interaction between student and teacher. The activity is feedback.</p> <p>(P6.16) Reply or feedback.</p>
Feedback from friends	<p>(P2.22) Feedback coming from my friends</p> <p>(P6.12) If with my friends, we share our assignment</p>	<p>(P2.22) Feedback from peer friends</p> <p>(P6.12) Sharing assignment</p>
Answer question forum	<p>(P1.19) There is an answer and question session about the material that students do not understand yet, and it can be asked in online learning.</p> <p>(P5.16) In Edmodo, we could ask everything about our difficulties in learning process or assignment which was not clear through Edmodo. So, the lecturer also responded through Edmodo.</p>	<p>(P1.19) There is answer and question session.</p> <p>(P5.16) Interaction between student and teacher. The activity is asking about difficulties learning material</p>
Commenting	<p>(P2.17) Interaction in online might be interaction between student and student or from our friends because we commented on it.</p> <p>(P3.16) For example, my friend A gave comment, then I agree so I said yes blablabla... but if I have different opinion then I will say on there.</p>	<p>(P2.17) Interaction between student and student is commenting.</p> <p>(P3.16) Comment.</p> <p>(P5.14) Interaction between student and student. The activity is commenting</p>

	<p>(P5.14) But, formerly in the Material Design, we gave some comments with friends. For example there was a written about what should we write then we replied, so it was just like online discussion.</p>	
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Selective Coding The Benefits of Activities in online learning context.		
Point	Translated statement	Theme
Group Discussion	<p>(P1.21) In group discussion among the students, we can get rich information, broader insight and deep knowledge because some of students are include in that forum.</p> <p>(P4.18) In group discussion, in my opinion is train critical thinking.</p> <p>(P4.19) Encourage communication between my friends and I in online.</p> <p>(P6.15) So, in discussion we learn together, improve our opinion together.</p>	<p>(P1.21) Group discussion can rich information, broader insight and deep knowledge.</p> <p>(P4.18) Group discussion trains students' critical thinking.</p> <p>(P4.19) Group discussion Encourages communication.</p> <p>(P6.15) Discussion makes students learn together, and improve their opinion.</p>
Feedback from lecturer	<p>(P1.20) By having feedback in online learning, we can evaluate because we will know our mistake, furthermore we can see again about our mistake.</p> <p>(P2.25) By having feedback, we can know our mistakes and for example our assignment has mistaken in this part so we can directly know.</p> <p>(P3.19) If feedback from lecturer absolutely give influenced and there are some positive influence. For example, in the beginning maybe there is a misperception then it will be corrected by lecturer. Then maybe it can correct about grammar because it is not surely fit the theme.</p> <p>(P2.21) Communication is not only on verbal like in the class but also in online we have nonverbal communication.</p> <p>(P4.23) Train our critical thinking.</p> <p>(P5.19) the influence of interaction with lecturer is</p>	<p>(P1.20) feedback in online learning as evaluation for student because they will know their mistake.</p> <p>(P2.25) From feedback, students know their mistakes.</p> <p>(P3.19) the impact of feedback from teacher is making clear some misperception and correcting the grammar.</p> <p>(P2.21) Students have nonverbal communication.</p> <p>(P4.23) Train students' critical thinking.</p> <p>(P5.19) Impact of interaction with lecturer is trigger the students to find the answers, read again and find other information.</p>

	<p>finally the lecturer make how to say that... trigger us to find that answers. For example, the lecturer asks about A oh yes ok I have not understood the A problem yet, finally weather you want it or not we should read again or find the information again like that.</p> <p>(P6.17) Lecturer know about students' need, their weakness. For example, he/she is lack of vocabulary that we can see from his/her comment, the grammar does not improve yet.</p>	(P6.17) Reply or feedback makes lecturer knowing about students' need and their weakness.
Answer and question session	(P1.22) In answer question session, it can encourage us to enhance, broader information. Indeed they can more participate in online learning.	(P1.22) Answer question session encourages students to enhance, broader information, and more participate in online learning.
Commenting	<p>(P2.21) The influence is we more active because it is online and it is not face to face.</p> <p>(P2.23) Our friend can give comment and suggestion.</p> <p>(P3.18) Yes surely it has an influence from having comment with friends maybe there is a friend that have different knowledge. For example they read from other reference, it can add our knowledge.</p> <p>(P5.17) In my opinion we can share knowledge from those comments, for example my friends understand this material like this, my understanding is like this, so finally we share and discuss like sharing knowledge that we get.</p>	<p>(P2.21) Students are more active.</p> <p>(P2.23) students' peer friend give comment and suggestion.</p> <p>(P3.18) The use of commenting activities is add students' knowledge.</p> <p>(P5.17) students can share knowledge from some comment activities.</p>
Feedback from friend	(P6.13) we can evaluate each other and analyze together.	(P6.13) student can evaluate and analyze each other.

Selective Coding		
The use of online learning on pre-service teachers' language skills		
Point	Translated statement	Theme
Structures	(P1.23) We pay more attention on structure when do writing. (P2.26) In online completely we used sentences, so it can enhance sentence management, how to make good sentence, make sentences with good organization.	(P1.23) Pay more attention on structure when do writing (P2.26) Enhance sentence management.
Writing proficiency	(P1.24) Automatically enhance our writing skill. Because we take more consideration when writing, this grammar is proper or not. The second one, in online we can feel free to speak about everything. For example, when we speak directly feel shy, but if it is in online learning our writing can produce more. (P2.28) Enhanced our writing proficiency (P3.20) From language skill refer to writing (P4.24) Writing skill. (P5.20) actually it is more inclined to writing, because the system is writing, not like skype or the others. So it refers to writing.	(P1.24) Enhance writing skill. (P2.28) Enhance writing proficiency. (P3.20) Influenced on students' writing. (P4.24) Writing skill. (P5.20) Influenced on writing.
Grammar	(P1.25) Grammar and diction (P2.27) It can enhance our grammar. (P3.22) Pay attention on grammar. I am feeling shy if I make mistakes on my grammar. Because it is in class group and my friends exactly fluent in English. (P4.25) Because we need to quick writing to response one idea that we discussed with our friend. So, if we do quickly	(P1.25) Grammar and diction. (P2.27) Enhance in grammar. (P3.22) Pay attention on grammar. (P4.25) Encourage students to use proper in grammar and good in sentences selection.

	<p>writing automatically our grammar should in proper and the language selection should be good also.</p> <p>(P6.18) So we write, give comment, give idea or opinion through writing. Because it is writing, so the impacts are more aware in vocab and grammar.</p>	(P6.18) Students be more aware in vocab and grammar.
Formal language	<p>(P1.26) We pay attention more on language that will deliver, might be more polite or formal.</p> <p>(P1.28) The language is not like in our spoken language which used daily conversation.</p>	<p>(P1.26) Language be more polite or formal</p> <p>(P1.28) The language is not like in daily conversation.</p>
Language development	(P1.27) Language be more advanced	(P1.27) The language be more advanced
Vocabulary	<p>(P3.21) Maybe increase vocab</p> <p>(P6.18) So we write, give comment, give idea or opinion through writing. Because it is writing, so the impacts are more aware in vocab and grammar.</p>	<p>(P3.21) Increased vocabulary.</p> <p>(P6.18) Students be more aware in vocab and grammar.</p>
Reading	(P5.21) Then before we write we also read, so it is also impact on our reading. When we read means we comprehend first on the content, then it impacts on enhance reading skill.	(P5.21) enhanced reading skill.

Selective Coding Pre-service teachers' Preferences		
Point	Translated statement	Theme
e-learning (pbi.umy.ac.id)	(P1.29) I like e-learning at because e-learning at pbi.umy.ac.id and yk.edu.org has private forum.	(P1.29) Student likes e-learning because e-learning has private forum.
e-learning (yk.edu.org)	(P1.29) I like e-learning at because e-learning at pbi.umy.ac.id and yk.edu.org has private forum. (P4.27) I also like e-learning in yk.edu.org. We can see the ideas from one person and other people.	(P1.29) Student likes e-learning because e-learning has private forum. (P4.27) Student also likes e-learning in yk.edu.org. Student can have a look the ideas from one person and other people.
Edmodo	(P1.30) I also like Edmodo because Edmodo has relation with student, provide group, lecturer also. Besides, we are not only upload our assignment, but also our lecturer also upload material through Edmodo. So, if we missed the class we can go in online learning and we look for in online learning. (P2.31) The reason why I choose Edmodo because the interface is similar with Facebook, so it just like more easy because I feel like I used social media, although it is learning media, but it is more fun to be used. (P4.26) Actually, I like Edmodo. Because in Edmodo we receive some posted every week. (P5.24) I definitely still new learn about Edmodo, so finally it just like fun with trying this. Then in the Edmodo also has what's that we get batch like reward. So it is more fun.	(P1.30) Student also likes Edmodo. Because Edmodo provide group, lecturer upload material through Edmodo. So, if the student missed the class they can go in online learning. (P2.31) Choose Edmodo because the interface is same with Facebook, because student feel like used social media, although it is learning media, but it is more. (P4.26) Students likes Edmodo. Because in Edmodo, students receive some posted every week. (P5.34) Edmodo is fun because students can get like batch or reward.

WhatsApp	(P1.31) Discussion forum outside of online learning such as WhatsApp	(P1.31) Discussion forum outside of online learning such as WhatsApp
WordPress	<p>(P2.32) The second one is blog in WordPress. It also good because we can give tweet in there. Besides, the learning media is good because we can post the video, audio, so it is complete to be learning media especially in learning English.</p> <p>(P3.25) If in the blog WordPress or BlogSpot we can add like widget, we can give a song, we can include our Facebook account, we give many links then we design blog that fit our personality and all of them can more reflect our self. So it is more freely.</p> <p>(P5.23) But, for example blog we still have comment activities in there.</p> <p>(P6.19) At the time, we requested to create a WordPress that gives us freedom to share information.</p>	<p>(P2.32) Student can give tweet, post the video, audio.</p> <p>(P3.25) In blog student can add widget, give a song, link to Facebook, provides many links. Students can design their blog that reflect their personality.</p> <p>(P5.23) In blog students can have comment activities.</p> <p>(P6.19) Students prefer in WordPress because it gives them freedom to share information.</p>
BlogSpot	<p>(P3.25) If in the blog WordPress or BlogSpot we can add like widget, we can give a song, we can include our Facebook account, we give many links then we design blog that fit our personality and all of them can more reflect our self. So it is more freely.</p>	<p>(P3.25) In blog student can add widget, give a song, link to Facebook, provides many links. Students can design their blog that reflect their personality.</p>

Selective Coding The strengths of online learning		
Point	Translated statement	Theme
Flexibility	<p>(P1.32) One of them is flexibility which means we can access online learning every time, every situation and we only need to have gadget and internet connection. Then, Online learning is not definite with place and time. So it is more flexible.</p> <p>(P2.33) The strengths are flexible which can be used every time and everywhere, the time is flexible.</p> <p>(P3.26) The strengths are we can learn everywhere and it is not only inside the class. So, when there is a connection we can study.</p> <p>(P5.25) More flexible. For example, we do not need what's that coming to the class. For example, we can do this everywhere.</p> <p>(P5.26) Then maybe it is not takes time, if we meet directly we need spent time on trip and more simple.</p> <p>(P6.20) The strength of online learning is flexible. We can do anytime, everywhere as long as we have internet connection.</p>	<p>(P1.32) Online learning provides flexibility.</p> <p>(P2.33) Online learning provides flexibility.</p> <p>(P3.26) Online learning provides flexibility in term of place.</p> <p>(P5.25) Online learning provides flexibility</p> <p>(P5.26) Online learning does not takes time.</p> <p>(P6.20) Online learning provides flexibility.</p>
Up to date information and material	<p>(P1.33) Update information because internet provides very fast updating information, even every second, internet has always new information.</p> <p>(P3.27) More up to date. So, if the lecturer give the assignment we can directly know, because there is a notification, so it is visible and no need to have meeting with lecturer, no need</p>	<p>(P1.33) Online learning provides update information.</p> <p>(P3.27) Online learning provides up to date information.</p> <p>(P4.28) Online learning provides update material.</p>

	<p>wait until D-day we can know our assignment.</p> <p>(P4.28) The strength is update material, for example in online we do not only focus like with Edmodo or blog</p>	
Encourages reading	(P1.34) It can encourage students to have more reading because when they join online learning they will find update information as always.	(P1.34) Online learning encourages students to have more reading.
Personal development	(P1.36) On personality, we found many passive students. I mean students who less participation, they have more chance to have improvement in online learning rather than in class. If in the class they feel shy or not confidence, they can get personal improvement as well in online learning.	(P1.36) Online learning provides personal development for passive students.
Rich resources	<p>(P1.35) Finally, encourage them to look for new information in online outside the forum.</p> <p>(P2.34) Another strength is we are more freely because we do not face to face. We can explore more to find resources, to find knowledge from online.</p> <p>(P4.29) Rich resources, we can go everywhere.</p>	<p>(P1.35) Online learning encourages students to look for new information outside the forum.</p> <p>(P2.34) Online learning encourages students to explore more resources from online.</p> <p>(P4.29) Online learning provides rich resources.</p>

Selective Coding The weaknesses of online learning		
Point	Translated statement	Theme
Decrease social relationship	<p>(P1.37) The weakness is no face to face interaction atmosphere.</p> <p>(P1.41) Decrease interaction between student and teacher because in one side online learning is good, but on the other side we cannot deny on face to face learning or we cannot deny situation of classroom learning because student and teacher should have interaction.</p> <p>(P2.36) Another possible weakness is decrease interaction with our friends that can impact us to become passive student.</p> <p>(P3.30) So, in my opinion if interaction used online learning maybe it can infrequently meet friends, infrequently meet lecturer, so it is more in social interaction.</p> <p>(P5.28) We can be disposed like we cannot direct socialize.</p>	<p>(P1.37) Online learning decreases face to face interaction atmosphere.</p> <p>(P1.41) Online learning decrease interaction between student and teacher.</p> <p>(P2.36) Online learning decreases interaction among the students.</p> <p>(P3.30) Online learning decrease social interaction.</p> <p>(P5.28) Online learning decreases direct social interaction.</p>
Decrease oral communication	<p>(P1.38) Decrease oral communication atmosphere. We can still have interaction, but it cannot directly interact between student and teacher, so they are lack to learn in oral communication.</p> <p>(P1.42) They should have interpersonal relationship which allow them to know how to communicate in front people directly and they not only communicate in social media or behind the scene.</p> <p>(P4.30) In my opinion, sometimes it decreases oral communication.</p>	<p>(P1.38) Online learning decrease oral communication atmosphere.</p> <p>(P1.42) Students should have interpersonal relationship which allow them to know how to communicate in front people directly.</p> <p>(P4.30) Online learning decrease oral communication.</p> <p>(P6.22) Online learning decreases direct communication.</p>

	(P6.22) The weakness is because we only used tab, laptop, and hand phone. So it can decrease direct communication with friends	
Cost	(P1.39) Cost. Online learning spent much cost.	(P1.39) Online learning spends much cost.
Lack of internet connection	(P1.40) Limit access can be bad impact when we have fun activities then unfortunately we get troubled on access. No signal means it can be the end. (P5.27) If it is online means we need connection. Whereas we are in the city that has lack of internet connection. So, for example when we have other activities and we have sufficient time to upload and the due date for example be left in some minutes, unfortunately there is bad connection. So whether you may or not we can be lateness or our work is reputed as late. (P3.28) lack of signal. (P6.21) The weakness is we should have internet connection. For example, if we go on remote area then it can be the problem when we will work on assignment in online learning.	(P1.40) Online learning provides technical problem like limit access. (P5.27) Lack of internet connection. (P3.28) Lack of signal. (P6.21) Student should have internet connection.
Lack of an actual teachers' feedback	(P2.35) In case of feedback from our lecturer, it is not detail if it is only through online learning. It is because the language only used written form, and it is easier or detail if we are in face to face.	(P2.35) Online learning does not provide detail feedback.
Lack of technological skill	(P3.29) So in the beginning feel like lack of technological skill.	(P3.29) Students Lack of technological skill

<p>Plagiarism and cheating</p>	<p>(P4.31) Online makes student easy to cheat. Why they can do cheating if for example when answer the question, my friends browse other sites outside online forum discussion class and they find the answer or material that almost the same and it might encourage them to copy paste.</p> <p>(P5.29) Actually there is an issue that we can easy to copy paste. So, it has correlation with plagiarism. Maybe some students who lazy to think then they just copy paste the answer from their friends or look for the material from internet, then post the comment based on the result of other internet browsing.</p>	<p>(P4.31) Online learning provides easy to cheat or copy paste.</p> <p>(P5.29) Easy to copy paste and plagiarism</p>
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