







was about 2535, where that value is included into the range of the variable assessment of independence was about 1783 to 2574 in the classification of high- less.

The Independence in learning was a strong foundation for the success of the study to achieve a satisfactory progress.

Based on the result of the study, that is conducted by the researcher was describing that the learning independence of fourth semester's student in the Nursing Academy Prima Jambi 2014 was high-less. In this case, it can be analyzed on the sub-total acquisition of the questionnaire declaration of independence variable (X2) that was from 15 statements, it is contained about 11 statements that its acquisition of the total was in the category high-less and 4 further statement items are included in the category of high enough. The statement in the 11 of that item was discussing about the optimism of the students to do their own examination, without any helping of a friend. It is described that the awareness of fourth semester's student about him/herself responsibility in doing the test was is still high-less, either its discipline in learning, comprehending the learning materials, or realizing and choosing the learning goals<sup>11</sup>.

So that, when the students are faced an examination, there was no any optimism sense to do an exam itself, in the other words, they are expected the cheat sheet from his/her friends. Conversely, if that students have any self-independence in terms of learning, by searching many references, discipline in the study, serious in learning, of course it would be arise an optimism sense in him/her to do the exam itself<sup>12</sup>.

In addition, another statement was discussing of the student's awareness about learning as the needs, so that the students can be doing the self-control, such as a made a daily study schedule, studying with a friends, studying by oneself in the library when the lecturer did not come. Related to this study, actually the awareness of that thing was still very low on the fourth semester's students in AKPER Prima Jambi, it is based on the total sub-score that is obtained was still in the category of high-less<sup>14</sup>.

From the explanation above, it can be concluded that the students at the Nursing Academy Prima Jambi was still lack in applying the independence in learning.

### 3. The relation of motivation and Learning achievement

Based on the data analysis that has been calculated through the analysis of *multiple linear regression*, with the 't test' is obtained that 't count' was about 3.345 and 't table' was about 1.998. Here we can see that t count > t table was meaning that  $H_0$  is rejected and  $H_a$  is accepted, it means that the learning motivation had any significant relationship with the student achievement, from this analysis was also found any correlation coefficient about 0.637, that was in the strong category. Motivation is very involved in the study, with this motivation, students would increasing the interest, willingness and high spirits in the study and diligent in the learning process, the motivation, and by motivation was also the outcomes quality of the student's learning can be realized<sup>15</sup>.

This was consistent with the research that is conducted by<sup>16</sup>, that there was a significant relationship between the level of

motivation to learn, with the level of student's achievement, so that the motivation to learn is needed to improve the learning achievement. But in the research of relationship that is occurred in the low category, this is caused because on the result was only categorized on three levels, namely high, medium and low. It was contrast with this study, the category of the research result are divided into 5 namely very high, high, enough, high-less and extremely high-less. So that, by the distribution of these categories that were quite a lot, of course the results were also to be very accurate to see the closeness of the relationship between the variables<sup>17</sup>.

Based on this study, that there was a significant relationship between motivation and learning achievement, so that it is required the ways to improve the learning motivation, in order the learning achievement was also to be good. Some of ways can be held such as the optimization of application of the learning principles, optimization of the dynamic elements of teaching and learning, optimization of the using of learning resources, as well as the development of the ideals and aspirations of learning<sup>18</sup>.

Optimizing of the learning principles here, can be form of the concern principle, liveliness, direct involvement in learning, repetition of learning, stimulation and challenge, giving feedback and reinforcement, the principle of individual differences among students, to optimize these principles was necessary an appropriate learning strategies that is tried to reduce the obstacles encountered in the optimization process. The optimization of dynamic elements was also necessary to be held<sup>19</sup>.

This matter can be done by way of the need the creativity in preparing the tools of learning with the students. It also can be done by utilizing the learning resources outside the campus. Optimizing the experience and ability of the students are also needed to be done to motivate the students, by allowing the students to catch in accordance with their ability and experience, the relation between learning experience at this time with past experience and the student's ability, doing the excavation of the experience and the capability of the students, for example through the oral or written tests and give the student the opportunity to compare what is being studied with the ability and experience they have<sup>20</sup>. The ideals and aspirations were also very important to be developed, as an effort to motivate the student's learning, to improve their learning achievement in a way 'recognizing' the aspirations and ideals of the students, it must be communicate that introduction result to the students and parents, made a programs that can develop the ideals and aspirations of the students<sup>21</sup>.

So, by seeking the things above, it is expected the learning motivation of the students would be increase and the academic achievement would also to be good.

### 4. The Relation between Independence with Learning Achievement.

Based on the data analysis that has been calculated through the analysis of *Multiple Linier Regression*, it is obtained t count was about 3.857 and t table was about 1.998. Here was seen that t count > t table means that  $H_0$  is rejected and  $H_a$  is accepted, it means that the learning independence has a

significant relation with the Learning achievement, from this analysis was also known the correlation coefficient value about 0.659 which was in the strong category. The most of fourth semester's students of Nursing Academy Prima Jambi were applying the learning independence to take the lecture in the college level, were still at a level high-less, so that there were students who its academic performance was only in a satisfactory category.

This is evidenced by there were some students who did not have their own lecture notes because that students are quite satisfied with the learning from a photocopy of his/her friend's lecture notes, there were some students who learnt come close to the semester examination, another some of the students are also relied on the handouts from the lecturer without having any another references<sup>22</sup>.

While for today's era, the students were highly charged to be more active in seeking the material on the learning resources which have already very much and very easy to be access. The students did not enough by only to accept what is presented by the educators, but rather to the development and deep understanding of the lecture's material, because at the college level, the material understanding that is expected as a capital of the students in entering the workforce. In this case, it can not be denied that the independence is needed by the students to achieve the goal of learning, to get any good achievement.

This study result is also in step with what was observing by<sup>23</sup>, that the learning independence was the one of the most important elements in the learning process, because it is involved to the student's initiative. Students who have any self-independence in learning have had the values that have to be attentive by themselves and considered that learning was not an onerous but it was something that have become a necessity for the students to improve their achievement. By placing the learning activity become a necessity, it was of course would encourage the students to be more active in doing learning. This matter would be realized by the persistence of the students in learning, the students will take the initiative by themselves to learn without any expecting the encouragement from others, students will have any willingness and the responsibility sense for solving their own learning problems, students would be conduct the learning activity by ownself independently, did not dependent on the others, the learning independence will be achieved if the students were actively control their own everything that they were doing, evaluating and the further was planning something that was deeper in the learning that is traversed and the students are also wanted to be active in the learning process<sup>14</sup>.

##### **5. The Relation between motivation and independence with the academic achievement**

Based on the data analysis that has been calculated through the analysis of *Multiple Linier Regression* with the F test is obtained F count was about 34.012 and F table was about 3.143. Here it was seen that F count > F table means that  $H_0$  is rejected and  $H_a$  is accepted, it was means that the learning motivation and learning independence were togetherly have any significant relation with the learning achievement. From this analysis is obtained the value of  $R = 0.721$  in the strong

category. This thing was due to the motivation of the students, either from inside or outside, would be consequence for the level of independence in their learning. As better and higher as the motivation of the student, so it would be better and the higher the degree of their learning independence. Motivation was to be very important, if it is associated with the self-independence and learning achievement. Motivation was a source of power that is driven a students to undertake the learning activity in achieving the goal. Motivation was also a plan or desire for the success and avoid the life failure<sup>24</sup>.

In other words, if the students have already had a high motivation, so that students would be conduct an independence in the learning, because by the existence of the good motivation, so it would be higher the level of student's curiosity about the matter, the encouragement from the student's insides to seek any information about what they are wanted to know, so that the learning independence was a wise choice that would be done by them, to realize that their high curiosity.

Many ways that can be taken by the students in applying a learning independence, it can be utilize the learning resources, held the discussions with the lecturers and a friends, accessing the internet or joining the TV program that is related with what they are wanted to know. By doing an independence in learning, students will be deepen the study of the material that is presented by the lecturers, by their own way, the learning initiative would be appear without any coercion from the others, it would be embedded the responsibility sense in solving problems in their own learning, without expecting any helping from others and thus the understanding level from the learning material would be deeper and better, so that the achievement from the learning's objectives in the form of learning achievement will also to be good.

This result is supported by the study that is conducted by the researcher, that was stating if the learning motivation to learning independence have a significant relationship with the student achievement, the students are motivated well and automatically will be doing a form of the learning independence that was also good. By doing these two things, certainly the learning achievement will also to be good.

But here, it should be emphasized that were many factors that are affected the student's achievement, they were not only the motivation and self-independence, so that some of the authentic study with this study, has any different level of the relationship. This matter could be due to the division of the result category, the scale is used to measure the research variable, and the different characteristics of the respondent, so that it was different the affecting factors of its learning achievement<sup>17</sup>.

##### **5. Conclusion**

Based on the study results of motivation and learning independence with the student's achievement of fourth semester in Nursing Academy Prima Jambi 2014, so it can be concluded as the objectives of the research as follows:

1. Overview of learning motivation, learning Independence and learning achievement of the students.
    - a. The learning Motivation of fourth semester's student in Nursing Academy Prima Jambi 2014 was high-less. This is based on the total score of the whole questionnaire calculation that was about 2396, where the value was in the category high- less.
    - b. The learning independence of Fourth semester's student in Nursing Academy Prima Jambi 2014 was high-less. This is based on the total score of the whole questionnaire calculation that was about 2535, where the value was in the category high- less.
    - c. The learning achievement of the fourth semester's students in Nursing Academy Prima Jambi 2014 was satisfactory. this is based on the acquisition of IPK's average of fourth semester was about 2.7.
  2. There was a significant relationship between learning motivation and learning achievement of the students of fourth semester in Nursing Academy Prima Jambi 2014. This matter is based on the analysis results of the *multiple linear regression* of the relationship between learning motivation and learning achievement were about 0.637, by the significance level was about 0.05 (5%) . the correlation coefficients that is positive marked was describe a direction of the positive relation, while the relation between the learning motivation and learning achievement are included in the strong category was  $r = 0.637$  ( $r$  is lied between 0.6-.799).
  3. There was a meaningful relation between the independent learning and the learning achievement of the fourth semester's students in Nursing Academy Prima Jambi 2014. This thing is based on the result analysis of the *multiple linear regression*, the relationship between learning independence and learning achievement was about 0.659, with the significance level of 0.05 (5%). The correlation coefficient that is marked positive was describe a direction of the positive relationship, while the close relationship between learning motivation and learning achievement are included to the strong category was  $r = 0,659$  ( $r$  is lied between 0.6 to 0.799).
  4. There was a meaningful relationship between learning motivation and learning independence with the learning achievement of fourth semester's student in Nursing Academy Prima Jambi 2014. This is based on the result analysis of *linear regression*, the relationship between the learning motivation and learning independence was about 0.721, with the significance level of 0.05 (5%). The correlation coefficient that is marked positive was describe a direction of the positive relationship, while the close relationship between learning motivation and the learning independence are included to the strong category was  $r = 0.721$  ( $r$  is lied between 0.6 to 0.799).
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