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 No.41-46 Infftrerce of Emetirnal Intelligemef; on Sfuderits' Aeademic Aehicvements Ngu Leh Seng, Zahyah
 Hanafi, Muhajir Taslikhan, Arumugam Raman Universiti Utara V(alavsia, Sintok, Kedah Malavsia Ahstract
 Einotional aspects are very inrpottant in influencing the excellence of a student.

Many past studies have proven that emotional intelligence at'lect academic achievement. Theretbre, this study
 is ained to identiy studerrls' emotional irrtelligence level and to rvhat extent emotional intelligence influences
 students'academic achievement. A total of 4{}6 people frmn -5 srudents fi-om niue schools in Limbang District,
 Sarawak were irrrolled in this study- Malaysia Intclligence Emotir:nal Inventory Teens IKEM-R) rvas used to
 assess the level of studeuts' emotional intelligence.

A total of 49 items from this instrumcnt was uscd to mcasurc emotional intelligence of the respondents.
 Exploratory factor analysis and KMO value for pilot study is. 607, The result o[rre study show that all the
 emotional iirtelligence dimensions are at high level, Fr.rther, the results leveled that there is no significanr
 influencc o'ali the dimnensions on acadernic achievement.

Five research hlpetheses were supported" Alt the ertrotional intelligencer din.rcnsiols namely emotional
 all\areoess, emotional regulation, scf:mr:tiuator, empathy and social skills do not aff'ect students' acadernis

achievement. Keywords: Emotional Intelligence, Academic Achievement, Exploratory Factor Analysis. Emotional Awareness, Emotional Regulation. 1. Introduction The Malaysian Education System is not only aims to produce outstanding students but also spiritual growth and emotionally healthy so that they are able to contribute to the well-being and progress of the nation. Emotional aspects is prioritized in the development of student.

Many past studies found that emotional factors are very important in influencing students' excellence in academic achievement and success in life. According to Goleman (1995) is, an individual's emotional intelligence is more important factor in determining their success compared to intellectual intelligence. It found that only 20% of a person's success is attributed to intellectual intelligence whereas emotional intelligence is comprised of 80%. Student's Emotional intelligence factors play an important role in influencing their academic achievement.

Students who have high emotional intelligence tend to obtain good academic achievements (Nwadinigwe & Azuka-Obieke, 2012; Noriah et al., 2008; Nelson, 2009; Downey, Mountstephen, Lloyd, Hansen & Stough, 2008; Floit, 2007) 116 14' 1B' rr, r' r01. Students with high emotional intelligence obtained good academic achievement, help to think creative and critically and also able to... 1...-...-LI...-...-r-!:-...-1, 1o--1-----. 0-hr.--... rAa\ llql ru burrrruui\$itrs llllEllButrilJ l-iiiUVEy 6a iviayci-J ii)Vi.

," Emotional Intelligence Mixed Model An emotional intelligence model in this study is based on Mixed Model of Emotional Intelligence by Daniel (Goleman (1995) is). Model featured by Goleman originated from Formative Intelligence Model needed by Mav'r sn,1 Salovey. More specifically, Goleman (1998) in his book "Working with Emotional Intelligence" has been divided Emotional intelligence into five dimensions such as self-awareness, self-regulation, self-motivation, empathy and social skills.

Self-awareness Self-awareness is the ability to realize and know your own feelings in a situation and be able to choose a priority while taking actions or making decisions. This kind of person can make an accurate assessment of capabilities and high confidence (Goleman, 1998) is). Self-awareness has four sub-dimensions, i.e. emotional awareness, an accurate self-assessment, self-confidence and interest. Self-regulation Self-regulation refers to the ability to manage emotions in carrying out work to make it easier and without interrupting the job (Goleman, 1998) is). This ability gives strength to pursue goals and quickly recover from emotional stress (Goleman, 1998) is).

There are five sub dimensions namely self-control, trustworthiness, responsibility, adaptability and innovation. Self-motivation is the ability to improve or meet a standard of excellence. Self-motivation also helps someone obtain initiative and perseverance to improve capabilities to address challenges and obstacles in life (Goleman, 1998) is).

This process also involves someone using emotions to stimulate in order to achieve a goal or solve a
 rrticrrlar taslr ny rroieet Self-motirrrqinn hae five crhrlnmqinc ".-^__-'t" .-- -- i.e. encouragement of
 achievement, commitmrlt, r'initiative, optimism and cnthusiasm. 41 Empathy Empathy is the abiliry io
 recognize and idenrft a person's feelings, undcrstrand a thing according to the perception tlf others that can
 raise and nurtrrc the u'armth as well as adapt to other individuals (Goleinan, 199il) Isl. Empathy has seven
 subdomains that are lo under:sland others. hetp others.

expand others, service oriented, discover diversity, poitiical a\ "r'reness and taking care of. Social skills
 According io Goleman (1ss8) l-jl, individuals with social skills is able to interpret accurately the condition of
 social and iis' llenwork thus can nlallage multiple emotions effectively in a givrn interaction (Goleman, 1998 1
 t5l. This individual able to persuadc, lcad, negotiate and resolr,e conflicts itr order lo creatc understanding aud
 learn spir"it.

Sor:-ia1 skills has eight subdomairis rratneiy inluence. communicatiott, conllict managemonl leadership.
 change catai-Yst, builder ol relationsrips, colliaborarion anci ooperallon as u"eii as rhe abiiity to involve in an
 Association. 2. Literature revieg. At first tire researc'hers review the roie ol' emotional intelligence }n acadsmic
 achievement and emotional ^.1i"-+*^+ ^(-r,-l,-'+'. :- .A1"^-! ,l,l,"*-l^A^r a '*** N^A*-;- JU-JUijiiiiL-iii Ui ii,iji.jL"iiii\ ii,
 :rLiUUU i i i Uaial,iii a-Y. L ur t urt.

,*iur l rrr Fauell and Woods, 2007i irj" Lately there are also studies rrllo\$s eraotional intelligencc has a
 significant positive relationship on student's academic achievement (Nrvadinigr-t-c & ,Azuka-Obieke, 20i2;
 Noriah et al.- 2008; Nclson, 2009; Dorvlrey, Mo\$litstephen, Lloyd, Hansen & Stough, 2008;tlot, 200?) l'r', 14,
 16, 13,a, 101, Accoriling to their sntrly the en.rotiqnal intelligence positively cor-.reiated with students'
 academic acirievcment.

Students with high crrotional intelligence irave consciousness against the state of tlieir emotions and the
 ernotions ol' others and also able to conttol emotions that would help him to achieve the triunrph of academic.
 Srudy In Malaysia showed thrat student's emotional intelligence is an indicator to their academic achievement.
 For examplc. Azizi }jj. l:lashim Yahya Besar Shahrin and Nordiana binti Mohd Nor (2009) ij' Isl has reported
 ttrat there is a signiticant positive relationship between etnotional intelligence with acadenic achievementtrt
 among 399 fom four students in i0 secondatl schools in the vicinity of tl.u'ee States namely Johor, Kelantan
 and l'rengganu.

Researchtcrs from abroad also reportedc ttre same (l{ogan, Parker, 5*ieler, Watter, Woos and Okc, 20101
 Qualter, (iardner, Pope, Hutchinson & Whitely. 2012; Adeoyo & Erneko, 2010; ir' t:1. A11 the findings
 supported that emotional intelligence is essettial in influencng student academic achievement. in adrlition iu
 iirc abuvc studies, iircre is aisu a sruiily using quasi-experiaertal design i.e. pretest and posttest atrd cot:ffol

group, Nwadinigwe and Azuka-Obieke (2012) 116l strengthen the statement that emotional intelligence has a significant positive relationship of academic achievement. "They proved that students participated in 'emotional intelligence skills training' have the excellent achievement.

Students who followed the emotional learning system has a higher level of emotional intelligence compared to peer mentoring while the control group is the lowest level of emotional intelligence. Therefore, the emotional learning system is a comprehensive intentional program that could affect a person's emotional intelligence skills of students and subsequently positive impact on his academic achievements.

According to Nwadinigwe et al., (2012) "this happened because when a person has become more emotional, then the behavior shown is positive. Such a situation could balance the feelings and thoughts of a person to become more behaviors which have high emotional intelligence. Thus, his academic achievement rises. Holt (2009) still stated that academic achievement has positive significant relationships with dimensions of managerial emotions and emotional reasoning.

Meanwhile, Nelson (2009) found that students from low socio-economic status showed high significant relationship between their understanding and academic achievement. Students who have emotional understanding were reported able to assess understanding of emotional information and identify how emotions combine and grow through the communication transition (Holt, 2009).

This significant relationship indicates that students who appreciate the emotional meaning acquired higher academic achievement. According to Arleoyo et al. (2010) emotional intelligence courses bring the most significant effect on the achievement of English language. Students who have exposed to emotional intelligence courses obtain better achievements in English. This finding is supported by Najib Ahmad Marzuki et al., (2006) who

found that a student with high emotional intelligence is more competent in English. Najib Ahmad Marzuki et al., (2006) has shown there is relationship between emotional intelligence with English speaking competence in terms of listening, speaking, reading, and writing. In terms of listening, materials in the English language have a significant relationship with frequency hearing, interest in listening, and understand what is heard in English.

The higher the emotional intelligence the higher frequency of listening, interest to listen and understand what is heard in relation to materials in English. On the other hands, low levels of emotional intelligence will cost the low level frequency of students listening, interest to listen and understand what is heard in relation to materials in English. Correlation between emotional intelligence and English-speaking competency showed there was no significant relationship between emotional intelligence with frequency of speaking, reading, and writing; confidence in speaking and fluency in speaking; reading and writing; understand what is read and writing.

skills.

These findings proved that the higher the level of emotional intelligence, the higher the frequency of speaking, reading, and writing; confidence in speaking and fluency in speaking; reading and writing; understand what is read and writing. (Alibairrri Aliazriki et al., 2016). According to Fowney et al. (2008), students who had high dimensions of management and high emotion control earn high achievement in mathematics and science.

This is due to a student who has the advantage in the management and control of emotions in mathematics and science. It means a student who has a high emotional control can obtain high achievement in mathematics and science. Similarly, studies of Nurhita Binti Sallih (2019) found that students who follow the lessons by integrating emotional intelligence will show significantly higher increase in test scores.

They have been integrated the teaching of emotional intelligence in teaching Math namely emotional awareness, self-esteem, self-confidence, self-control, motivation, communication, cooperation, empathy, problem solving and joy. Integration of emotional intelligence significantly increases the student's attitudes toward Mathematics as a whole. Students who accept the integration of emotional intelligence significantly increase confidence, enjoyment and motivation towards math.

In conclusion, a student's emotional intelligence factors prove to have significantly positive relationship towards academic achievement. The higher level of emotional intelligence will higher academic achievement. This is clearly proved in the past research that emotional intelligence dimensions such as the management and control of emotions affect the achievement of Mathematics.

For English language achievement studies proved in general that the level of students' emotional intelligence can affect the achievement of the English language achievement in terms of listening, reading, speaking and writing (Najid Ahmad Marzuki et al., 2006). However, their study only carried out among secondary school students. Research questions:

1. What is the level of the student's emotional intelligence? 2. To what extent emotional intelligence influences academic achievement? The objective of this study is to identify the level of emotional intelligence in this instrument to be tested in terms of reliability and validity since the original instruments are based on Peirson's intelligence and test the influence of emotional intelligence on academic achievement. 3. Methodology Sample This study was conducted in nine National secondary schools in Limbang, Sarawak.

The sample consists of 406 primary 5 students. Instrument Malaysia Emotional Intelligence Inventory - Teens (IKEM-R.; adapted by Saemah Rahman, Noriah Mohd. Ishak, Zuria Mahmud and Sq. Amir (2008) were used to measure the level of emotional intelligence. This instrument is structured taking into account the views of Goleman's (1995) five dimensions of emotional intelligence namely self-awareness, self-regulation, motivation, empathy and social skills.

The items of this instrument have been modified so that easily understood by secondary school students in the Malaysian context. This instrument distributed with 104 items is as follows: Self-awareness (20 Items) Self-regulation (31 Items) Motivation (14 Items) Empathy (13 Items) Social skills (36 Items) Based on previous research, researcher only select a total of 49 items from this instrument to be used which categorized into five dimensions of emotional intelligence as in Table 1. These items are measured using the 5 points Likert scale, 1 : very untrue, 2 : not true, 3 : less sure, 4 : true and 5 : very true.

Distributions of items are as follows: Malaysia context and it may be used in the context of students of Salar, rural and urban, different religious, culture and socio-economic status. 4. Data analysis The data collected was analyzed by using SPSS version 20 to measure reliability value per item, and emotional intelligence dimensions. Exploratory factor analysis used to test reliability (factor loadings) and validity (CMO). Items Reliability All Cronbach alpha values exceed .900 and this is sufficient for reliability required (Smith & Glass, 1978). 43 a. b. 1 u.

Table 1: Distribution of items for each of the dimensions of emotional intelligence
 Dimensions
 Self-awareness 1-2
 Self-regulation 3-8
 Motivation 9-14
 Empathy 15-21
 Social Skills 22-58

Social Skills 3.62 .50 Cronbach's Alpha EQ1 .913 EQ1 .916 EQ2 .913 EQ3 .913 EQ4 .911 EQ5 .913 EQ6 .914 EQ7 .914 EQ8 .911 EQ9 .913 EQ10 .914 EQ11 .913 EQ12 .913 EQ13 .913 EQ14 .918 EQ15 .911 EQ16 .914 EQ17 .914 EQ18 .911 EQ19 .913 EQ20 .913 EQ21 .915 EQ22 .913 EQ23 .912 EQ24 .913 EQ25 .913 EQ26 .913 EQ27 .912 EQ28 .913 EQ29 .913 EQ30 .913 EQ31 .913 EQ32 .914 EQ33 .914 EQ34 .913 EQ35 .913 EQ36 .913 EQ37 .913 EQ38 .913 EQ39 .913 EQ40 .913 EQ41 .913 EQ42 .914 EQ43 .914 EQ44 .914 EQ45 .914 EQ46 .914 EQ47 .913 EQ48 .915 EQ49 .914 EQ50 .914 EQ51 .914 EQ52 .914 EQ53 .914 EQ54 .914 EQ55 .914 EQ56 .914 EQ57 .914 EQ58 .914

Alpha Cronbach values for emotional intelligence dimensions
 Emotional Intelligence Dimensions Mean SD
 Self-awareness 3.49 .35
 Self-regulation 3.49 .35
 Motivation 3.49 .35
 Empathy 3.49 .35
 Social Skills 3.49 .35

3.65 .51 .809 F, rmpathy 3.61 ia .819 Social Skills 3.69 .45 .820 Futher, exploratory f,actor analysis was coildtcted to test reitabilir-v and validity ot- the const'l'tlcts of emotional :-,-r1: --_-, - -- rrrrL(rllLrLL. f ,xpl o- ratory l'a cton an aYsis A total of 31 itettrs retained in tire 5 dimensions of emotional intellignce after a total of tti items of emctional intelligence was diuppe,l. Items l, -1, 4, 6,7,9- 13. 14. 2A, 22' 23' 27,31 - 33, 34, 35, 43, attd 46 were dropped- Items rvith factor loadirgs more than .60

rciained that is rcliabie for this study' Table 5: Loadings value of expioratory fhctol analysis fbr emotional The overall Alpha Coefficient value tor emotionai intelligence is. 802. llowever for each dimerrssion such as self- au'ateness is .813, self:regulaiaon is.B30, and self-motivation is' 890', empathy is .819 arrd social skills is .820 is irr table '1 below' ffiploratory factor anlysis and as shown intelligence Item Factor loading Factor I Factor 2 Factor 3 "actor 4 Factor 5 lrQz ,7l-J EQ5 .756 EQ8 .83s LOlO .585 EO r I .596 EOt2 .731 f,n1 "7 5{i EQi6 .841 EQ17 . S_1ii E,Q 18 .608 EO l9 .66,1 EO: I .879 EO24 .(t64 EQ2s .840 EQ26 .755 EQ28 .508 EQ29 .694 EQ30 .659 EQ32 .572 EQ36 .832 EQIT ."1 -2 EO38 .778 EQ39 .i45 EO40 .642 EO41 .759 EV+r EQ44 .122 EQ45 .64'1 FrA47 .68 i EO48 ? i1 EO4e .756 in the follou'ing table 5.

44 Table 6: l)istribution of emotional intelligence items atier exploratory iactor analysis Emotional Intelligence Dimensions Items Total items Re-arranged items Self- awareness 2.5,8, 10, 1 t, 12 6 r-6 Self-resulati0n 15_ 16,17,18,19-21 6 6-1 l Seit'-motir,ation 24.25^26.28.29.30.32 7 ll-19 Empathy J(), 37, 38 l 20 22 Social Skills 39, 40, 41.D,44, 45. 4i. 48. 49 9 23 *31 Total 31 3l Item Validity Analysis Vatiiiiiry is a measure that indicates the degree validity of rirc instrrrment measlrirg what is needcd {Hair et el.

2010\ l1.LL aim-s tc cnsr-lrc this asnect of, the coniert of thr test ite:las nsed - _-"" _ _ " ""I-- is really valid. Validity wa\$ tested using with the Bartiett's test. A11 the Kaiser-Meyer-Okin (KMO) variables values should be morc than 0.50. KMO values tbr this research is .607 thsrefbre itrnlr nret the criteria and valid to be used as shown in table 7. Table 7: KMU an Results Research question 1: What is the lcvcl of sturlent's emotional intelligence'1 Table 7: Mean and Standard Deviation of each emotional intelligence Emotional Intcllligence dimensions Mean SD Self" awarsuess 3.44 .45 Self-re gu-lation 3.20 .51 Sel l'- nrot.ivation J. OJ .58 hmfrarhV 3.59 .61 Social Skills 3.62 .50

fjverall 1.49 .38 Based on table 7. the results of rhe flndings showed that all dimensions are flt high levei. The finrlings of this sfudy all'e consistent witr the findings Azrzi Hj Besar Shahrin Hashim Yahya, and Nor:diana hinti Mohd Nor (2009) tr' i5l. Research question 2: To what extent the int'iuence oi emotional intelligence on aeadetric ac:hievettent Kaiser-Meyer-Olkin Mcasure of Samplins Adeguacy. .601 Bartlett's Tcst ol Srrhrcicirr; Aporex. Chi-Souare 2473.691 dt 1176 Sie. .000 Table 8: Influence of emotional intelligence on academic achievement Influence t-value Result There is no sijnificant influence of sel1'-awareness on academic achievement 1.801 supported There is no ficant influencc of sell lation r>n acadulric achie'veinent 0.695 There is no signif-rcant iniuence of self--motit'ation on acldemic achievement 0.828 slrpporte<1 There is nt significant influence ofetmpathy on acaclernic achieveuent 0.006 supportlrd Thcre is rio significant influence of

social skills or academic achievement. 1.092 supported the following: Fig: Structural model of emotional intelligence and academic achievement. Results of the study show that there is no significant influence of any dimensions of emotional intelligence on academic achievement. All the five dimensions of research hypothesis were supported.

All emotional intelligence namely self-awareness, self-regulation, self-motivation, empathy and social skills do not affect students' academic achievement. 6. Discussion and conclusion Overall, the level of students' emotional intelligence is high. The results show that students have a high level of self-motivation and low dimensions such as self-awareness, empathy, and social skills. The lowest level dimension is self-regulation at a moderate level.

This finding is in contrast to the findings of Azizi et al., (2009) claimed that the level of emotional intelligence is only at medium level. This difference is likely due to the place of study and culture as well as religion or belief of the respondents varies with other studies. Cultural factors of minorities greatly influenced the level of emotional intelligence. In addition, this study shows that there is no significant influence between the emotional intelligence on academic achievements.

It means emotional intelligence does not affect academic achievement. The findings of this study support the findings of Adil Adnan et al., (2012), which shows there is no significant relationship between emotional intelligence with academic achievement. However, this finding contradicts with the findings Najib Ahmad Marzuki et al., (2006) which found that a student's emotional intelligence is related to academic achievement. The findings also contradict with Hogan et al., (2010), Qualter et al., (2012), and Adcoyo et al., (2011). This finding is also in conflict with the findings using quasi-experimental method of Nwadinigwe et al., (2012). They found that when a person becomes more emotional and think rationally, then the positive behavior results. The findings also contrast with the findings of Downey et al., (2008) which suggest that students with high emotional intelligence achieve high score in mathematics and science.

Similarly, in contrast to the findings Norila Binti Md Salleh (2009) who found that teaching integrates the emotional intelligence indicating an increase in mathematics score. The above discussion is clearly proving that findings of this study contradict many findings of the previous study. Therefore, it can be concluded that emotional intelligence factors is not the main factor influences students' academic achievements.

A high level of emotional intelligence is not necessarily needed fully in helping to increase the academic achievement. The level of emotional intelligence is indeed needed to live successfully. 7. References Adeoye H, Emeke E-A. Emotional intelligence and self-efficacy as determinants of academic achievement in English language students in Oyo State senior secondary schools. IFE Psychologia ; An International Journal.

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