



## Developing of Multiple Intelligences in students with the Two Stay Two Strays Type

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### Abstract

The research objective is as a universal effort to provide variety relevant contributions to society as well as to identify new challenges must be faced, or referred to as multiple intelligences so that students can actualize multiple intelligences or multiple intelligences including emotions and spirituality. The Two Stay Two Stray (TSTS) Model of Cooperative Learning is a solution to student problems in cooperative learning which also adds to the elements of social interaction in learning. In cooperative learning, students learn together in small groups helping one another. Classes are arranged in groups of 4 or 5 students, with heterogeneous abilities. The results showed that there was an interaction between the learning process experienced by students and the teaching process by educators or teachers. Students can change their lives to be of better quality both physically, mentally, emotionally and spiritually and later it can be said to be successful in the educational process, namely achieving changes in behavior in students. It is clear that we cannot rely on intellectual alone, that IQ only contributes about 20% of the factors that determine a success, the remaining 80% comes from other factors including Emotional Intelligence in the multiple intelligence categories". As human learner students who can be said to be successful in education and to achieve educational goals, namely education as a whole human being, here students are required to actualize all three intelligences at once, namely intellectual, emotional and spiritual. For improvement in the learning process both for educators and for students in particular, it is hoped that this research will be able to make a useful contribution to the development of science, especially in learning and character building by having properties such as integrity, humility, tolerance, restraint, loyalty, justice, patience, simplicity, and through the teaching and learning process.

**Keywords:** *Intelligence; compound; students; character*

### Introduction

An education essentially has a goal to develop a whole human being as stated in the GBHN that the purpose of education is to form a complete human being, meaning that it covers various aspects, not only intellectual aspects, but also emotional and spiritual aspects. However, in reality at this time education prioritizes intellectual aspects only as a measure of the success of an education. In education there must be an interaction between the learning process experienced by students and the teaching process by the educator or teacher. Students here as human learners, from which learning objectives students can change their lives to be of better quality, physically, mentally, emotionally and

spiritually and later it can be said to be successful in the educational process, namely achieving changes in student behavior. It is clear that we cannot just rely on intellectual alone, as said by Daniel Goleman.

As human learner students who can be said to be successful in education and to achieve educational goals, namely education as a whole human being, here students are required to actualize all three intelligences at once, namely intellectual, emotional and spiritual. However, what has been done as we all know is intellectual actualization which has always been the main benchmark in education, of course this has not fulfilled the objectives of education that have been listed in the GBHN and students cannot be said to be human or

qualified students. Therefore students must improve their quality as a learner in order to have value in life and succeed in education by actualizing emotional and spiritual intelligence as their main support (Fathani, 2019). This is consistent with what Yusran Pora said, which reads: "Human value is completely dependent on four physical, mental, emotional and spiritual things. Each of them has different characteristics of growth. Growing up to be a human means playing these four elements well (Nasution, 2019).

Real education is education that is concerned with these four elements. "From this it can be concluded that in carrying out one's duties as a student, it should not only dig intellectually in order to succeed in education, but must also explore what is called emotional intelligence and spiritual intelligence. Everyone can actualize these two intelligences in order to become qualified people, because basically everyone has emotional and spiritual intelligence, including students. This is as conveyed by Muhammad Muhyidin in his book *ESQ Management*: "In a general perspective,

### **Method**

The approach in this study uses a qualitative approach, where qualitative research is a study that aims to collect data in the form of words and images in the field by means of observation, interviews and documentation. Researchers chose a qualitative method because it aims to extract data in accordance with the facts in the field and analyzed with existing theories. In this qualitative research using a qualitative descriptive approach, because the data collected is in the form of words, pictures, and not numbers. This is due to the application of qualitative methods. Moreover, everything that is gathered is likely to be the key to what has been researched. Thus, the research report will contain data quotations to provide an overview of the presentation of the report. Such data may come from interview scripts, field notes, photographs, video tapes, personal documents, notes or memos, and other official documents. This type of research is a case or field study, where this research is carried out intensively, in detail, and in depth on a

everyone is capable of having Emotional intelligence and spiritual intelligence (ESQ), (Febriyanti, 2019). This means, emotional and spiritual intelligence (ESQ) does not depend on a person's symbolic image, for example, the person must be an eastern person and a Muslim. Not so, emotional intelligence and spiritual intelligence are owned by everyone regardless of ethnicity, religion, nation, place of residence, language, and so on, (Qomaruddin, 2019) "

Students have quite a tough task considering things that have become the main goal of an education, namely educating them to become fully human, including intellectual, emotional, and spiritual aspects. Students must be of high quality and always improve their quality in order to achieve success in education, where the Civics education or learning process can be said to be successful if students are able to change their behavior for the better in this case including intellectual, emotional and spiritual aspects. But in reality students still refer to intellectual intelligence as a provision for success in education.

particular organization, institution or phenomenon. Researchers use the method of observation, interviews and documentation in this study, which in the end the results of the overall method produce data and the data is presented descriptively or depicting a data.

### **Result and Conclusion**

The activity of multiple intelligences or multiple intelligence that appears is intelligence which is normalized comprehensively in several items, the musical intelligence group and the interpersonal intelligence group, (Herman, 2016). The explanation is as follows: The ability to recognize self-emotions, namely the ability to recognize self-emotions, is self-awareness of recognizing feelings when they occur from time to time in an individual's life (Hasanah, 2018). Self-awareness is the ability to recognize and sort out feelings, understand what we are feeling, why we are feeling it, and know why these feelings arise. Emotional self-awareness is the foundation upon which nearly all elements of emotional awareness are built, an important first step in exploring and

understanding ourselves, and for change and the ability to manage emotions is the ability to handle feelings so that feelings can be properly expressed, the ability to entertain oneself, let go anxiety, gloom or offense and the consequences that arise because of the failure of these basic emotional skills (Winarti, 2015).

The goal is emotional balance not to suppress emotions, every feeling has the desired value and meaning, (Aini, NR, Suharto, S., Yudianto, E., Trapsilasiwi, D., & Setiawan, TB 2019. When emotions are too suppressed, they create boredom and distance, if the uncontrollable emotions are too extreme and the emotions continue to be a source of illness such as depression, excessive anxiety, excessive anger, and excessive emotional disturbance (Astuti, KAW, Santyasa, IW, Si, M., & Artawan, P. 2016) In addition, there is also the ability to motivate yourself, which is the ability of an individual to direct and encourage all his efforts to achieve the expected goals (Jiang, 2001). In this case, the role of positive motivation which consists of enthusiasm and belief self will be very productive and effective in all its activities in the form of self-motivation can be traced through the following: a) how to control impulses, b) degree of anxiety which affects one's work performance, c) the power of positive thinking, d) optimism, e) one's ability to the situation that is happening or work is only focused on one object, (Jayanti, 2019). With the ability to motivate themselves, someone will tend to have a positive outlook in assessing everything that happens, (Wardianh, 2019). For the ability to recognize other people's emotions, namely the ability to understand other people's feelings and communicate this understanding to the person concerned, (Juwanda, 2019).

This ability is built on the basis of self-awareness, which includes that other people also have interests like ourselves, being aware that the environment that makes up an individual is different and realizing that no human being is the same, and that difference is not something that must be addressed with resistance, (Zhou, J., & George, JM 2003). The more a person is open to himself, the more able he is to recognize and follow his emotions and the easier it is to read other people's

feelings and then the ability to build relationships with others is an individual's ability to manage the emotions of others (Wahyunu, 2019). This ability helps individuals manage the emotions of others. Helping individuals to establish relationships with people openly so that they are liked by the environment because they are emotionally enjoyable (Hidayati, 2019).

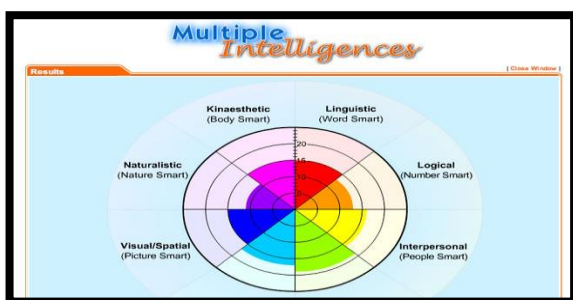


Picture 1. Multiple Intelligence

The picture 1 showed that Intelligence that gives meaning, that does contextualization, and is transformative. They say intelligence is to place our behavior and life in the context of a broader and richer meaning. Intelligence is to judge that someone's actions or way of life are more meaningful than others (Suciati, 2019). Spiritual intelligence is the faculty of our nonmaterial dimension - the human spirit, (Rahayu, 2019).). This is the untouched diamond we all have. According to research in the field of neurology, spiritual intelligence (SQ) has a special place in the brain (Siregar, 2019). There are parts of our brains that have the ability to experience spiritual experiences, for example to understand God, to understand God's attributes, (Akib, I., Minggu, I., & Amir, N. F. 2018).

The point is to be aware of God's presence around us and to give meaning in life (Mansjur, 2019). People who are spiritually intelligent can have their characteristics seen, namely, being able to give meaning in their life, happy to do good, happy to help others, have found their purpose in life, they feel they have a noble mission, they feel seen by their God. , 2019). The signs of a well-developed spiritual intelligence are as follows: Ability to be flexible (adaptive spontaneously and actively), ability to face and take advantage of suffering to face

and transcend pain, quality of life inspired by the quality of vision and values, (Mariyana, 2019), reluctance to cause unnecessary harm, (Hanafi, 2019), a tendency to see the relationship between things, (Dewi Candra, 2019). The components of spiritual intelligence are as follows: the ability to transcend, (Kharisma, 2019), very spiritual people absorb a reality that transcends material and physical, the ability to purify everyday experiences. The ability to use spiritual potentials to solve various problems (Kurniawati, 2019). Spiritual transformation often leads people to prioritize various goals (Mardiana, 2019). The ability to be seen in various virtues (Lestari, 2019). People who are spiritually intelligent have more abilities to show forgiveness, express gratitude, feel humility, and show compassion (Laksmiwati, 2019).



Picture 2. Multiple Intelligence

## References

- [1] Aini, N. R., Suharto, S., Yudianto, E., Trapsilasiwi, D., & Setiawan, T. B. (2019). ANALISIS BERPIKIR LITERASI MATEMATIKA SISWA DALAM MENYELESAIKAN SOAL MATEMATIKA PADA POKOK BAHASAN POLA BILANGAN BERDASARKAN KECERDASAN MAJEMUK. *Kadikma*, 9(2), 127-135.
- [2] Akib, I., Minggu, I., & Amir, N. F. (2018). Student's Error Analysis In Finishing Mathematic Word Problem Based Newman's Procedur Viewed From Multiple Intelligences.
- [3] Alif, S., Irwan, A., & Elihami, E. (2020). FORMING CHARACTERS OF EARLY CHILDREN IN NON-FORMAL EDUCATION UNITS. *JURNAL EDUKASI NONFORMAL*, 1(1), 88-94.
- [4] Astuti, K. A. W., Santyasa, I. W., Si, M., & Artawan, P. (2016). Pengembangan Model Pembelajaran Berbasis Kecerdasan Majemuk untuk Meningkatkan Pemahaman Konsep Fisika Siswa. *Jurnal Pendidikan Fisika Undiksha*, 3(1).
- [5] CANDRA DEWI, N. U. R. L. I. T. A. (2019). RESPON SISWA TERHADAP PEMBELAJARAN DENGAN LKS BERBASIS MULTIPLE INTELLIGENCES PADA MATERI SISTEM GERAK MANUSIA. *PENDIDIKAN SAINS*, 7(2).
- [6] Dewi, D. S., & Wilany, E. (2019). Hubungan Antara Kecerdasan Linguistik Verbal Dan Kemampuan Membaca. *JURNAL DIMENSI*, 8(1).
- [7] Djafar, S., Nadar, N., Arwan, A., & Elihami, E. (2019, October). Increasing the Mathematics Learning through the Development of Vocational Mathematics Modules of STKIP Muhammadiyah Enrekang. In *International Conference on Natural and Social Sciences (ICONSS) Proceeding Series* (pp. 246-251).
- [7] Efendi, A., & Elihami, E. (2020). GUIDELINING FOR LEARNING TO OPTIMIZING LEARNING ACHIEVEMENT. *Jurnal edukasi nonformal*, 1(1), 56-62.
- [8] Elihami, E. THE MODEL OF MUHAMMADIYAH EDUCATION IN FACING COVID-19 IN ENREKANG REGENCY.

The picture two shows that Every human being has a desire to improve himself and improve his quality. Therefore, in order to improve one's quality, it does not exceed the limits of propriety, it is necessary to live up to three efforts, namely; first, *Ta'alliq ilallah*, it means someone's motivation is only because of Allah SWT. Such a human being when he does good he always does good without stopping (Suarca, 2019).

## Conclusion

In conclusion, the research questions can be answered. The concept of emotional intelligence consists of five components, namely the ability to recognize one's emotions, manage one's emotions, motivate oneself, recognize other people's emotions, and build relationships with others. "psychologists agree that IQ only accounts for about 20% of the factors that determine a success, the remaining 80%. a real tendency to ask why or what if in search of basic answers, and being what psychologists call an independent field, which is having the convenience of working against convection.

- [9] Eskarya, H., & Elihami, E. (2020). THE INSTITUTIONAL ROLE OF FARMER GROUPS TO DEVELOP THE PRODUCTION OF COCOA. *JURNAL EDUKASI NONFORMAL*, 1(1), 81-87.
- [10] Fathani, A. H. (2019). Pembelajaran Matematika bagi Santri Pondok Pesantren Berbasis Kecerdasan Majemuk. *ANARGYA: Jurnal Ilmiah Pendidikan Matematika*, 2(1).
- [11] Febriyanti, F. (2019). *PENGEMBANGAN BAHAN AJAR PEMBELAJARAN TEMATIK BERBASIS MULTIPLE INTELLIGENCES TEMA PENGALAMANKU KELAS 1 DI MADRASAH IBTIDAIYAH NEGERI 1 PALEMBANG* (Doctoral dissertation, UIN RADEN FATAH PALEMBANG).
- [12] Hanafi, M. Z. (2019). *Implementasi Metode Sentra dalam Pengembangan Kecerdasan Majemuk Anak Usia Dini*. Deepublish.
- [13] Hanifah, F. (2019). *ANALISIS BUKU TEKS FISIKA SMP BERDASARKAN REPRESENTASI TIPE KECERDASAN MAJEMUK* (Doctoral dissertation, Universitas Pendidikan Indonesia).
- [14] Haslinda, H., & Elihami, E. (2020). DEVELOPING OF CHILDRENS PARK PROGRAM 'SITTI KHADIJAH' IN ENREKANG DISTRICT. *JURNAL EDUKASI NONFORMAL*, 1(1), 41-47.
- [15] Hasnidar, H., & Elihami, E. (2019). The management Model of National Character Education for Early Childhood Education through based on Democracy. *Edumaspul: Jurnal Pendidikan*, 3(1), 15-19.
- [16] Herman, T. (2016). MENINGKATKAN KEMAMPUAN PENALARAN MATEMATIS DAN SELF ESTEEM SISWA KELAS V MELALUI STRATEGI MULTIPLE INTELLIGENCES. *Pendidikan Guru Sekolah Dasar SI*, 1(01).
- [17] HIDAYATI SHOLIHA, U. L. F. A., & Sulaiman, R. (2019). Mathematical Communication Ability Profile of Linguistic Intelligence and Logical-Mathematical Intelligence Students in Solving Task. *MATHEdunesa*, 8(2).
- [18] Ismail, I., Elihami, E., & Mustakim, M. (2019). Students' Perceptions of the Benefits of Mobile Polling Technology in Teaching and Learning in College: Implications of Students' Participation and academic Performance. *Jurnal Pendidikan Progresif*, 9(1), 89-104.
- [19] Jayanti, M. A., & Jamil, A. M. M. (2019). Hubungan multiple intelligences pada unsur intrapersonal dengan IPK mahasiswa Pendidikan Geografi Universitas Kanjuruhan Malang. *Jurnal Pendidikan Geografi: Kajian, Teori, dan Praktek dalam Bidang Pendidikan dan Ilmu Geografi*, 24(2), 119-131.
- [20] Jabri, U., Elihami, E., & Ibrahim, I. (2020). THE EFFECTS OF APPROACH INSTRUCTION ON STUDENT'S READING PERFORMANCE. *JURNAL EDUKASI NONFORMAL*, 1(1), 72-80
- [21] Jiang, G. U. O. (2001). Intelligence Multiple Control over the Pressure and Calorific Value of Mixed Gas in Blast Furnace and Charry Furnace [J]. *Journal of Xingjiang University (Natural Science Editron)*, 2.
- [22] Juwanda, E., & PURWOKO, B. (2019). PEMETAAN POTENSI MAHASISWA BIMBINGAN DAN KONSELING BERDASARKAN INSTRUMEN KECERDASAN MAJEMUK ANGKATAN 2015-2017. *Jurnal BK UNESA*, 9(2).
- [23] Kharisma, D., Paduppai, D., & Djam'an, N. (2019). PENGARUH KECERDASAN INTERPERSONAL, REGULASI DIRI, DAN KEMAMPUAN BERPIKIR LOGIS TERHADAP PRESTASI BELAJAR MATEMATIKA SISWA KELAS XII SMA NEGERI 2 SENGKANG. *JURNAL NALAR PENDIDIKAN*, 7(1), 21-27.
- [24] Khalik, M. F., Asbar, A., & Elihami, E. (2020). THE QUALITY OF HUMAN RESOURCE IN ENREKANG DISTRICT. *JURNAL EDUKASI NONFORMAL*, 1(1), 63-71.
- [25] Kurniawati, I., & Kurniasari, I. (2019). Literasi Matematika Siswa dalam Menyelesaikan Soal PISA Konten Space and Shape Ditinjau dari Kecerdasan Majemuk. *MATHEdunesa*, 8(2).
- [26] Laksmiwati, P. A., & Sunendar, A. (2019). Pembelajaran Matematika Berbasis Kecerdasan Majemuk: Apa dan Bagaimana?(Mathematics Learning Based Multiple Intelligence: What and How?). *Jurnal Theorems (The Original Research of Mathematics)*, 3(2), 194-210.
- [27] Lestari, A. V. D., & Nisa, K. (2018). Pengembangan Lembar Kerja Siswa Berbasis Multiple Intelligence Pada Materi Enzim Siswa SMA. *Edubiotik: Jurnal Pendidikan, Biologi dan Terapan*, 3(02), 48-57.
- [28] Mahmud, N., Rezki Amaliyah, A. R., & Amin, N. (2019). The Development of Student Worksheet (LKM) Based on Interpersonal Intelligence to Improve Social Competence. *American Journal of Educational Research*, 7(4), 334-337.
- [29] MANSJUR, G. A. (2019). *EFEKTIVITAS METODE PEMBELAJARAN FIELD TRIP TERHADAP PENINGKATAN KECERDASAN NATURALIS ANAK DI TAMAN KANAKKANAK PERTIWI DAMPANG KABUPATEN BANTAENG* (Doctoral dissertation, Pascasarjana).
- [30] Mardiana, R., Busono, R. T., & Permana, A. M. F. (2019, February). The Contribution of Visual-spatial Intelligence towards the Drawing Capability of 11th Grader Teknik Gambar Bangunan (TGB) Students on Interior-exterior Subject in SMK-PU Negeri Bandung. In *5th*

- UPI International Conference on Technical and Vocational Education and Training (ICTVET 2018)*. Atlantis Press.
- [31] Mariyana, R., & Zaman, B. (2019, April). Design Of Multiple Intelligences Based Learning Environment In Early Childhood As A Learning Model Of The Millennium Century. In *8th UPI-UPSI International Conference 2018 (UPI-UPSI 2018)*. Atlantis Press.
- [32] Mariyana, R., & Zaman, B. (2019, April). Design Of Multiple Intelligences Based Learning Environment In Early Childhood As A Learning Model Of The Millennium Century. In *8th UPI-UPSI International Conference 2018 (UPI-UPSI 2018)*. Atlantis Press.
- [33] Muali, C. (2016). Konstruksi Strategi Pembelajaran Berbasis Multiple Intelligences Sebagai Upaya Pemecahan Masalah Belajar. *PEDAGOGIK: JURNAL PENDIDIKAN*, 3(2).
- [34] Mujib, M. (2019). Penjenjangan Kemampuan Berpikir Kritis Matematis Berdasarkan Teori Bloom Ditinjau Dari Kecerdasan Multiple Intelligences. *Desimal: Jurnal Matematika*, 2(1), 87-103.
- [35] Mujib, M., & Mardiyah, M. (2017). Kemampuan Berpikir Kritis Matematis Berdasarkan Kecerdasan Multiple Intelligences. *Al-Jabar: Jurnal Pendidikan Matematika*, 8(2), 187-196.
- [36] Mustakim, M., & Elihami, E. (2020). UNDERSTANDING INDONESIA LANGUAGE AND CULTURE AT LONGQI ELEMENTARY SCHOOL TAINAN-TAIWAN ROC. *MASPUL JOURNAL OF COMMUNITY EMPOWERMENT*, 1(1), 54-61.
- [37] Mustakim, M., Elihami, E., Musdalifah, M., Baharuddin, B., & Emirati, E. (2020). JAPANESE NON-VERBAL EDUCATION COMMUNICATION BY THE MAIN CHARACTERS IN THE NOVEL OF TOTTOCHAN AND THE LIGHT ON CURTAIN OF SAKURA: AN ANALYSIS OF KINESICS. *Journal of Critical Reviews*, 7(9), 618-622.
- [36] Mustakim, M., Musdalifah, M., & Elihami, E. (2020). TEACHING INDONESIA LANGUAGE FOR KUN SHAN UNIVERSITY STUDENTS AND VOLUNTEERING FOR CAMPUS GUESTS FROM INDONESIAN UNIVERSITIES TAINAN-TAIWAN ROC. *MASPUL JOURNAL OF COMMUNITY EMPOWERMENT*, 1(1), 42-53.
- [37] Rahman, M. I., Assidiq, I., Ismail, I., & Elihami, E. (2020). THE IMPLEMENTATION OF ENGLISH LANGUAGE TUTORING "ENGLISH IS EASY" AND CHEAP": Activity as a Method to Improved English Language Skill of Children and Adolescents at Makassar City. *MASPUL JOURNAL OF COMMUNITY EMPOWERMENT*, 1(1), 62-69.