

# Identification of Sports Talent (Using *Sport Search*) in Students of State Middle School

Herman Afrian<sup>1\*</sup>, Didik Daniyantara<sup>2</sup>, Karno Dinata<sup>3</sup>, and Mahfuz<sup>4</sup>

<sup>1234</sup>*Faculty of Education, Health and Recreation Physical Education Study Program at Universitas Hamzanwadi  
Selong, Indonesia*

*\*Corresponding Author: [hermanafrian132@gmail.com](mailto:hermanafrian132@gmail.com)*

## ABSTRACT

Knowing the talents of school students has an important role in creating sports achievements, especially in Aikmel District and Indonesia in general. To find out the talents of school students, it takes a way to identify good and effective sports talents. At this time a good and effective talent scouting method is the Sport Search method. This research aims to know the potential sports talents possessed by SMP Negeri students in Aikmel District in 2019. This research uses probability sampling technique. The research sample comprised 56 students of state junior high school. Data collection techniques using 10 test items. Based on the results of the data analysis, and the discussion it can conclude, that the Diving branch comprises 16 students with a percentage of 28.6%, the Athletics-high jump sports branch totalling 8 students with a percentage of 14.3%, the Indoor cricket branch with the number 7 students with a percentage of 12.5%, in the branch of Athletics-sprint running, there were 6 students with a percentage of 10.7%, in the Athletics-Long And Triple Jump sport branches, there were 5 students with a percentage of 8.9%, in the cricket there were 5 students with a percentage of 8.9%, in Table Tennis sports were 4 students with a percentage of 7.1%, in gymnastic sports were 3 students with a percentage of 5.4%, in Archery sports there were 1 student with a percentage of 1.8%, in Karate-Do sports there are 1 student with a percentage of 1.8%.

**Keywords:** *Sport Search, identification of sport talent*

## 1. INTRODUCTION

The ability of Science and Technology (IPTEK) is very rapid to have an impact in various lives including sports. Sophistication in measurement and evaluation, with the establishment of instruments that can predict someone's achievements, encourage us to work in identifying and selecting talented athletes. In situations and limited economic conditions like now. They require us to use efficient resources in fostering sports achievements to recruit outstanding athletes who have advantages competitive. Sport has contributed a lot to human happiness. Sport as activity physical or physical can give satisfaction to the perpetrators as individual needs. Besides this also, sports activities occupy one of the special jobs, both as a spectacle, recreation, livelihood, education, health and culture. Through sports activities can improve physical fitness and can even improve a person's standard of living.

According to [1], [2] states that exercise is "*The Big Muscles Activities*". Which explains that exercise is "large muscle activity that uses certain energy to improve the quality of life"[3]. Achievement sports are one of the sport activities that seen as professions [4]. Achieving high sports achievements is difficult, but through a long coaching process. Besides

coaching for a long time, talented athletes can achieve high achievement. I do although coaching in the long run, if the athlete being coached is not a talented in the sport that studies, then high achievement cannot achieve. This is because talent is an absolute requirement to achieve. Knowing the talents of school students has an important role in efforts to create sports achievements in Aikmel District and Indonesia. To find out the talent of school students, it takes a way to identify good and effective sports talent. A good and effective talent scout method is *Sport Search* [5].

The exist, be the method for *Sport Search* talent guide has not been used to get talented athletes, in the school environment [6]. Even in sports training, it is still rare to guide talent sports *search* to get athletes who are talented and have potential under the sport they learn. There are still many coaches physical education teachers who do not know the method scouting talent *Sport Search*, so that physical education coaches or teachers ignore the talents their students have. This condition causes obstacles in fostering achievement sports in Indonesia, so it needs a harmonious work chain between the government and school institutions or sports clubs to overcome the problems of sports achievement in Indonesia.

**2. METHOD**

*Participants*

The research sample in this study was State Junior High School students in Aikmel District 13-14 years old or sitting in Class VII. Stamp a part of the population that has the same characteristics as the population. Sampling techniques In this study using probability sampling techniques, sampling techniques that provide equal opportunities for each element (member) of the population selected to be a sample member. These techniques include simple random sampling, proportionate stratified random sampling, disproportionate stratified random sampling, area sampling (cluster) sampling[7]. The sample is the part or representative of the population to studies [8].

Research Variable, variable is an attribute or nature or value of people, objects or activities that have certain variations determined by researchers to studied and then drawn conclusions [7]. The variable in this study is a single variable that is the identification of sports talent. This variable to find out if there are sports students' talent after I do talent identification in the Sport Search talent guide

*Data collection*

Techniques use the observation, tests, recording documentation and by using Sport Search model scouting tests and talents comprising ten types of tests. Documentation, the documentation method, is a record of events that already apply. Documentation can take the form of writings, drawings, or monumental works from someone [7], [9]. The test for data collection techniques used in this study uses 2 kinds of tests: a. Anthropometry Test: 1). Height, 2). Body weight, 3). Arm span, 4). Sitting height, 5). Catch a tennis ball, 6). Basketball throw 7). Jump upright. b. Fitness test: 1). Running agility, 2). Run for 40 meters, 3). Multi - stage running/test valve.

**3. RESULTS AND DISCUSSION**

Results of the research presented result from the analysis that has been conducted on the data of each research variable. I gifted data from the variables taken in the study data comprising ten (10) kinds of test items from *Sport Search* and interacted based on the results of identifying students' talents and interests in sports activities. Computer media will process the data that has been collected with analysis using *Soil Wear* in *Sport Search Australia*. From 56 to 56 student data declared perfect and could be analyzed.

Table 1. Shows the Results of the analysis based on SMPN 4 Aikmelranking.

No	Ranking	Results Sport Search Data Sports Branch	Number
1	I	Diving	2
2	I	Table Tennis	2
3	II	Karate-Do	1

From the above analysis of 5 students in rank I 2 students who branched out in sports *Diving*, in rank I am 2 students who sport branching *the Table Tennis*, in ranking II 1 student has the potential to branch into the

Karate sport of SMPN 4 Aikmel (sub-district of Aikmel) sports are *Diving, Table Tennis, Karate-Do* very possible to foster.

Table 2.Results of exposure analysis results based on the ranking of SMP Satap 1 Aikmel

No.	Ranking	Sport Data Results Sport Branch	Number
1	I	Table tennis	1

When viewed from the above data analysis of 1 student Rank I 1 student branched *Table Tennis*, so in SMP

SATAP 1 Aikmel(sub-district of Aikmel) sports *Table Tennis* it is very possible to foster.

Table 3 Results of the analysis based on the ranking of SMP Satap 4 Aikmel

No	Ranking	Data Results Sport Search Sports Branch	Number
1	I	Diving	1
2	I	Table Tennis	1

From the above analysis of the 2 students in rank I 1 student who has the potential to branch out sports *Diving*, ranking I 1 student who has the potential

to branch out *Table tennis*, So in SMP 4 AikmelSatap (sub-district of Aikmel) in the sport diving, *Table Tennis* is very possible to foster.

Table 4 The results of analysis based on the ranking of SMPN 1 Aikmel

No.	Ranking	Results Data Sport Search Sports Branch	Number
1	I	Diving	13
2	II	Athletics-high jump	8
3	III	Indoor cricket	7
4	IV	Athletics-sprint running	6
5	V	Athletics-long and triple jump	5
6	V	Cricket	5
7	VI	Gymnastics	3
8	VII	Archery	1

From the above analysis of the 48 students in rank I 13 students who have the potential to branch out sports *Diving* in rank II 8 students who have the potential to branch out sports *Athletics-high jump*, in rank III 7 students branched out sports *Indoor Cricket*, in rank IV 6 students branched out *Athletics-sprint running*, in rank V there are 10 students where 5 students branched out *Athletics-long and triple jump sports* and 5 students

branched out sports *Cricket*, rank VI 3 students who have the potential of sports *branch out Gymnastics*, rank VII 1 student who branched out to sport *Archery*. So in SMPN 1 Aikmel (sub-district of Aikmel) the sport branch *diving, Athletics-high jump, Athletics-sprint running, Indoor Cricket, Athletics- long and triple jump, Cricket, Gymnastics, Archery* it is possible to be fostered.

#### 4. DISCUSSION

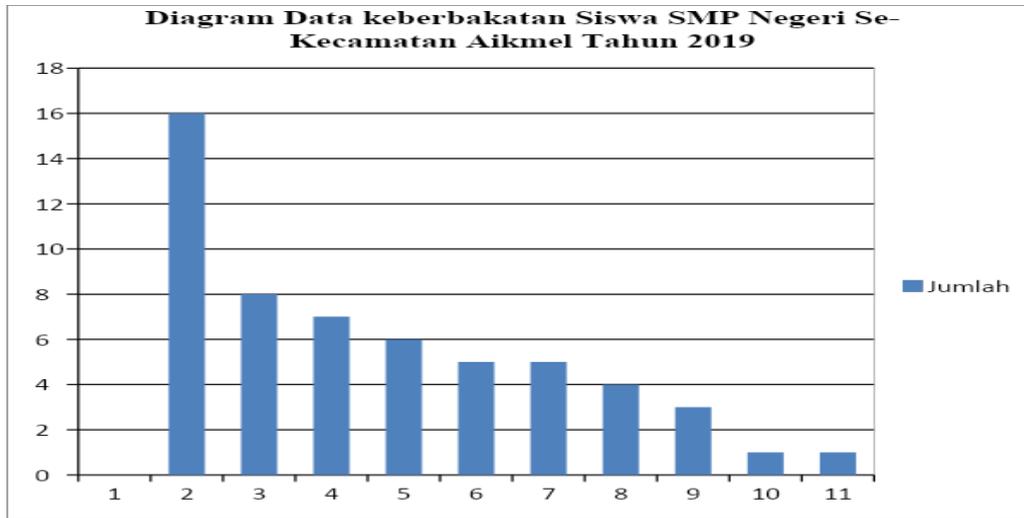
Table 5 Results data rank Sport Search percentage of SMP Negeri Aikmel Sub-district

No	Ranking	Results Data Search Sport Branch Sports	Number	Percentage
1	I	Diving	16	28,6%
2	II	Athletics- High Jump	8	14.3%
3	III	Indoor Cricket	7	12.5%
4	IV	Athletics- Sprint Running	6	10.7%
5	V	Athletics- Long And Triple Jump	5	8.9%
6	V	Cricket	5	8.9%
7	VI	Table Tennis	4	7.1%
8	VII	Gymnastics	3	5.4%
9	VIII	Archery	1	1.8%
10	VIII	Karate-Do	1	1.8%

Based on table 4.5, it got information that using rank of data *Sport Search* percentage at rank 1 sports branches *Diving* amounted to 16 students with a percentage of 28.6%, at rank 2 sports *Athletics-high jump* numbered 8 students with a percentage of 14.3%, at rank 3 sports *Indoor Cricket* with the number 7 students with a percentage of 12.5%, the fourth-ranked sports *Athletics Running-sprint* amounted to 6 students with a percentage of 10.7%, the fifth-ranked sports *Athletics- Long And Triple Jump*, amounting to 5 students with percentage 8.9%, in rank 5 branches *cricket* are 5 students with a percentage of 8.9%, in rank

6 sports *Table Tennis* are 4 students with a percentage of 7.1%, in rank 7 in *Gymnastics* there are 3 students with a percentage of 5.4%, in the 8th rank of sports *Archery* are 1 student with a percentage of 1.8%, in the 8th rank of sports *Karate-Do* there are 1 student with a percentage of 1.8%.

Based on the results of the study above, it can conclude that from 56 students of SMP Negeri in Aikmel sub-district, then from all SMP students in Aikmel District who nominated the sports talent of SMP Negeri of Aikmel District in 2019, the sport branch *diving*.



Picture 1 of gifted data diagrams of Aikmel sub-district students in 2019 to make it easier to analyze the data, the researchers made a bar chart like the diagram above.

From the analysis of the research that has done illustrates that students in SMP Negeri Aikmel are gifted or have potential in sports such as *Diving, Athletics-High Jump, Indoor Cricket, Athletics-Sprint Running, Athletics- Long and Triple Jump, Cricket, Table Tennis, Gymnastics, Archery, Karate-Do*. Of all SMP students in Aikmel District who dominate sports talent as shown in table 4.5, the sport branch *Diving*. *Diving* is a human physical activity carried out in water [10], [11]. Sports *Diving* has regulated in Law Number 3 Year 2015 concerning the National sports system article 1 paragraph 12 and 13 concerning recreational sports and achievement sports, the contents of which are sports that carried out by people with a hobby and abilities that grow and develop under the conditions and cultural values of the local community for health, fitness and passion. [12] the mean of the word *Diving* is survival in water. In sports diving not only requires breath resistance that must be consider staying in the water but there are elements of physical conditions that must also be consider supporting achievement of sports diving, physical elements that maximized lung capacity, power, agility, strength, flexibility, togok and VO2max flexibility [13], [14]. The branch of sports *Diving* dominates in Aikmel District because there are many physical SMP students in Aikmel District doing physical exercises that achieve agility, strength, explosive power and VO2max, besides physical training for SMP students throughout Aikmel District there are also many do swimming activities in the swimming pool near their area. Although in the Aikmel area is a plateau

area and not a water area but in Aikmel many halves the swimming pool tours.

The sport of *Diving* dominates in Aikmel District because SMP Negeri students in Aikmel District do a lot of physical exercises that reach agility, strength, power / explosive power and VO2max, in addition to physical training of many SMP Negeri students in Aikmel District. do swimming activities in the pool closest to their area. Although the Aikmel area is a highland area and not a water area, Aikmel has many swimming pool tours. [5]

Such as the research conducted by Didik Daniyantara. Research on the potential for geographical conditions and socio-cultural life in the area of Mount Rinjani, Lombok Island, West Nusa Tenggara as a nursery and sports talent scouting is a research conducted by Didik Daniyantara in 2015. His research results show that the capital of Sembalun District located in Sembalun Lawang Village, which is about 54 km from the capital of East Lombok Regency (Selong). The results of the application of the Sport Search application, where the sports talents possessed by children living in the area of Mount Rinjani have sports talents that require good leg muscle strength, namely Athletics-Sprint Running, the advantages possessed by people living in the Rinjani area in the form of muscle strength feet that are obtained from activities all day.

From the two studies, a person's talents can be generated through daily activities and geographical location. In this study, the daily activities of SMP Negeri students in Aikmel sub-district dominated the

diving talent. Even though the Aikmel area is not a water area, even the Aikmel area is a highland area, the swimming pool facilities and infrastructure in that area are numerous and exist in every village. [15]

## 5. CONCLUSIONS

Based on the data analysis of the talent research of state junior high school students in Aikmel District which done by identifying the Sports Talent of students of SMPN 1 Aikmel, SMPN 4 Aikmel, SMP Satap 1 Aikmel, SMP Satap 4 Aikmel in 2019, the author concluded that: sports branch *Diving* amounted to 16 students with a percentage of 28.6%, in the sports branch *Athletics-high jump* amounted to 8 students with a percentage of 14.3%, in the sports *Indoor cricket* with 7 students with a percentage of 12.5%, in the *Athletics-sprint running* there are 6 students with a percentage of 10.7%, in the sport branches, *Athletics-Long And Triple Jump* there are 5 students with a percentage of 8.9%, in sports *cricket* there are 5 students with a percentage of 8.9%, in *Table Tennis*, there are 4 students with a percentage of 7.1%, in the sports branch *Gymnastics* there are 3 students with a percentage of 5.4%, in the sport branch *Archery* there are 1 student with a percentage of 1.8%, in the sport branch *Karate-Do* there are 1 student with a percentage of 1.8%.

The sports branch that dominates the sports talent of the students of SMPN 1 Aikmel, SMPN 4 Aikmel, SMP Satap 1 Aikmel, SMP Satap 4 Aikmel in Aikmel District in 2019 is a branch of *Diving*. Based on the results of research that has done, I suggest it the following things:

1. For Schools and Sports Teachers to develop the talents of students they identify whose talents, to produce talented students.
2. For students who have identified sports talents to develop sports talent that has identified using the application *Sport Search*.

## REFERENCES

- [1] D. Wang *et al.*, "Postmortem changes in actomyosin dissociation, myofibril fragmentation and endogenous enzyme activities of grass carp (*Ctenopharyngodon idellus*) muscle," *Food Chem.*, vol. 197, pp. 340–344, 2016.
- [2] O. Tikkanen *et al.*, "Muscle activity and inactivity periods during normal daily life," *PLoS One*, vol. 8, no. 1, p. e52228, 2013.
- [3] B. Syafitri, "Perbandingan Efektivitas Senam Aerobik di Sore dan Malam Hari Terhadap Kualitas Tidur Buruk pada Mahasiswa Fisioterapi Universitas Muhammadiyah Malang," 2018.
- [4] N. B. Stambulova, "Developmental sports career investigations in Russia: A post-perestroika analysis," *Sport Psychol.*, vol. 8, no. 3, pp. 221–237, 1994.
- [5] H. Afrian and N. Hariadi, "Implementasi Sport Search untuk Mengidentifikasi Bakat Calon Olahragawan Berprestasi di Kabupaten Lombok Timur," vol. 1, no. 1, pp. 7–12, 2018.
- [6] K. Johnston, N. Wattie, J. Schorer, and J. Baker, "Talent identification in sport: a systematic review," *Sport. Med.*, vol. 48, no. 1, pp. 97–109, 2018.
- [7] D. Sugiyono, *Metode penelitian kuantitatif dan R&D*. 2010.
- [8] S. Arikunto, "Prosedur penelitian," 2010.
- [9] S. Hasibuan *et al.*, "Studi Teks dan Dokumentasi," *Tersedia secara online di https://www. Res. net/... KUALITATIF [dilayari di Kuala Ketil, Kedah Darul Aman, Malaysia 31 Ogos 2017]*, 2010.
- [10] C. Edmonds, M. Bennett, J. Lippmann, and S. Mitchell, *Diving and subaquatic medicine*. CRC Press, 2015.
- [11] A. Rich, *Diving into the wreck: Poems 1971-1972*. WW Norton & Company, 2013.
- [12] D. Smart, S. Mitchell, P. Wilmshurst, M. Turner, and N. Banham, "Joint position statement on persistent foramen ovale (PFO) and diving. South Pacific Underwater Medicine Society (SPUMS) and the United Kingdom Sports Diving Medical Committee (UKSDMC)," *Diving and hyperbaric medicine*, 2015. .
- [13] S. S. Rumpoko, "Kontribusi panjang tungkai, kekuatan otot tungkai dan volume oksigen maksimal terhadap pencapaian prestasi olahraga selam pada atlet selam putera persatuan olahraga selam seluruh Indonesia di Provinsi Jawa Tengah." UNS (Sebelas Maret University), 2013.
- [14] N. Mansyur, "Buku ajar: Asuhan kebidanan masa nifas." Selaksa Media, 2014.
- [15] D. Daniyantara, "Potensi Kondisi Geografis dan Kehidupan Sosial Budaya di Daerah Gunung Rinjani Pulau Lombok Nusa Tenggara Barat Sebagai Medan Pembibitan dan Pemanduan Bakat Olahraga (Identifikasi Bakat Olahraga Menggunakan Metode Sport Search pada Anak Usia 11-14 Tahun)," Universitas Sebelas Maret, 2015.