

The Analysis of Occupational Safety at The Recreational Sports Attractive of Pikatan Water Park, Temanggung Regency, Central Java, Indonesia

Lalang Kurdiawan[✉], Endang Sri Hanani, Tommy Soenyoto

Universitas Negeri Semarang, Indonesia

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Abstract

Occupational safety is very important, especially in recreational sports because the implementation of recreational sports has a high risk, as well as at the pikatan water park. The purpose of this study was to analyze occupational safety in the recreational sports attractive of Pikatan Water Park, in terms of human resources and infrastructure aspects. This type of research is qualitative. Respondents in this study were 2 managers, 2 employees, 3 operators and 28 visitors in two aspects of research, namely human resources aspects and infrastructure aspects. Data collection techniques used are observation, interviews, documentation, and document tracing. Data management for the results obtained using data collection, data reduction, data presentation, and drawing conclusions. The results of the study were for occupational safety in the recreational sport rides of Pikatan Water Park, Temanggung Regency, in terms of human resources, from 7 sub-aspects of the research, 6 sub-aspects were standardized. From the aspect of facilities and infrastructure, it was found that from 4 sub-aspects of the study there were 3 indicators in 3 sub-aspects that needed to be standardized. The Conclusion Research on occupational safety in recreational sports water park has generally been met, but in terms of resources, it is necessary to meet employee performance appraisal standards. From the aspect of facilities and infrastructure, it is necessary to improve the physical condition of the rides and the need to fulfill the indicators for the prohibition of people with infectious diseases in the recreational area of the Pikatan Water Park.

[✉] Correspondence address:
Kampus Pascasarjana UNNES Jl. Kelud Utara 3, Gajahmungkur
Semarang
E-mail: lalankurdiawan085@gmail.com

INTRODUCTION

Occupational safety is a very important aspect and must always be considered in any activity, one of which is in the world of recreation where currently many business people develop various kinds of recreational activities offered to the public. In this case, the company must fully pay attention to the safety of the types of recreational rides offered, because it relates to the safety of tourists and their workers (Kurdiawan, 2020).

Occupational safety according to Sri Redjeki (2016:6) Philosophy is as a thought and effort to ensure the integrity and perfection of both the physical and spiritual workforce in particular and humans in general, their work and culture towards a prosperous and prosperous society. While scientific understanding is a science and its application in an effort to prevent the possibility of accidents and occupational diseases. Occupational safety is safety related to machines, aircraft, work tools, materials and processing processes, the workplace foundation and the environment and ways of doing work.

The main role of occupational safety in the workplace is as a useful tool to improve the quality of internal customers have a longer life proactively, and reduce the risks faced by workers in the workplace and is an effective way for the implementation of an occupational health and safety system, through the use of good knowledge and compliance with system requirements, full and current risk assessment and strong safety culture within the organization (Al Musawi and Al Sayegh 2019).

Awareness of a recreational business related to occupational safety cannot be separated from the role of human resources, because human resources are the driving aspect in carrying out an activity process. Human resources according to Benjamin Bukit (2017:2) are an integrated ability of the thinking power and physical power of the individual, behavior and nature are determined by heredity and environment, while work performance is motivated by the desire to fulfill his satisfaction.

Human resources are people in the organization who contribute ideas and perform various types of work in achieving organizational goals. In terms of human resources, what is

covered is not limited to experts, education staff or experienced personnel, but all workers used by the company to realize its goals (Sukirno, 2006:172).

In addition to human resources that must be good, another factor that supports and greatly influences the sustainability of a recreational vehicle is in terms of facilities and infrastructure. Facilities according to the Big Indonesian Dictionary are everything in the form of conditions and efforts that can be used as tools or media in achieving goals or objectives. Meanwhile, infrastructure is everything that is the main support for the implementation of a process.

Tourists generally carry out recreational activities by finding and carrying out activities according to their individual needs. According to (Damanik, Rahayu, and Setyawati 2020), in general there are 3 (three) things that tourists want, namely, *something to see* (something to see), which is usually related to tourist objects with beauty and cultural attractions with their uniqueness; *Something to do* (something that can be done), which is usually related to the use or involvement of tourists in various tourism activities with the availability of complementary tourism facilities in the form of: arts and cultural party activities, physical activities such as *paragliding, outbound, tracking, cycling, jogging, climbing, horse riding, parasailing, hunting* and so on. In general, a person travels because he wants to do something like: *Something to buy*, which is usually related to the provision of tourism supporting facilities in the form of *galleries, , art shops and art kiosks* in an art market that will offer tourism products.

The recreational vehicle, *Pikatan Water Park* Temanggung Regency is one of the water recreation facilities located in Temanggung Regency where this recreational vehicle is quite a favorite for the Temanggung community. This tourist attraction was inaugurated in 2009 and has become a popular tourist attraction for people in Central Java, located in an area far from the crowds, namely in Mudal village, Temanggung district so that the atmosphere of the place is very comfortable, cool and far from pollution.

Based on the results of observations made by researchers at the recreational vehicle, *Pikatan Water Park* in general, in terms of completeness of conditions and infrastructure, it can be said to be

good because the fulfillment of needs as a water recreation vehicle starts with the presence of direct springs, affordable locations, the amount of ticket prices and other facilities. Other facilities such as toilets, changing rooms and places of worship are all available. However, there are findings that the condition of recreational facilities at *Pikatan Water Park*, especially from the aspect of infrastructure, is not yet fully optimal. For example, the condition of the pool on the rides has parts of the pool walls that are damaged and sometimes can injure tourists. Then on the *body slide*, it was found that the condition was not very good, because the condition of the *body slide* was mossy and not slippery so that it would be very difficult when used for gliding. In addition, reviewing from the human resource aspect, information was obtained that the recruitment of employees at therecreational vehicle *Pikatan Water Park* Temanggung had not been fully carried out using proper procedures. These findings indirectly affect the aspect of occupational safety that is applied to therecreational vehicle *Pikatan Water Park*. Because actually occupational safety is related to water recreation in therecreational vehicle, it *Pikatan Water Park* must prioritize its safety both in terms of human resources and facilities and infrastructure.

In relation to the safety of tourists from *Pikatan Water Park* Temanggung, information was also found that there had been an accident that resulted in fatalities. Quoted from Antara news media, in 2013 an incident occurred when a 5.5-year-old child died after sliding off a skateboard and drowning in one of the swimming pools. The latest in 2019 was quoted by the Temanggung News Association and the Magelang Express where in the Padusan tradition which is the tradition of Temanggung residents in welcoming the month of Ramadan, one victim died and the victim drowned in a 2 meter high pool.

From the description above, it can be concluded that the condition of the *Pikatan Water Park* in Temanggung Regency is related to the occupational safety that is owned both in terms of human resources and facilities and infrastructure that needs to be analyzed because it is the main guarantee in the sustainability of the place for the rides, so that the existing occupational safety is guaranteed is expected to be able to make

therecreational vehicle *Pikatan Water Park* exist and remain the belle of the community. From this, the researcher is interested in conducting further research related to the Analysis of Occupational safety at the Recreational Sports Forum *Pikatan Water Park*, Temanggung Regency. This study uses a qualitative research method with a qualitative descriptive approach.

METHOD

This research uses a qualitative approach, namely, to explore and understand the meaning by a number of individuals or groups about occupational safety at therecreation area *Pikatan Water Park*, Temanggung Regency. The research process was carried out using qualitative methods, in the form of research questions, collecting specific data from managers, employees/operators and visitors at therecreation area *Pikatan Water Park*, Temanggung Regency. This method is used to collect facts and describe them thoroughly and thoroughly according to the problem to be solved (Priambudhi 2021).

The focus of this research is on research on occupational safety analysis from the aspect of human resources, facilities and infrastructure and management at therecreational vehicle *Pikatan Water Park* Temanggung Regency. The subjects in this study were 2 managers, 2 employees, 3 operators and 28 visitors of *Pikatan Water Park* Temanggung Regency.

The data obtained in this study are qualitative data, that is, all the data obtained are only in the form of narrative information. The data obtained in the form of field notes, interview transcripts, observations, document searches and written documentation, photos and videos.

The research data were collected either through observation data collection instruments, interviews, document searches and documentation. The data that must be collected in the form of primary data, secondary data and data both. Primary data is obtained from the first source of data collection procedures and techniques that are specifically designed according to the purpose. The primary data obtained from interviews, and observations. While secondary data is obtained from indirect sources which are usually in the form

of documentation data and official archives (Saiffudin Azwar in Pradina, 2019:47).

Data analysis technique is an effort to process, organize data. The research data that has been collected is then organized and sorted, grouped, coded and categorized.

The data management of this model consists of 4 components that interact with each other between research data collection/collection, research data reduction, data presentation and conclusion of research.

RESULTS AND DISCUSSION

Table 1. Availability of Employee Rules

Sub Aspect	Indicator	Description
Employee Rules	Company Regulations / PP	Available by standard
	SOP (Standard Operating Procedure)	Available by standard
	Identity Uniform	Available by standard

Based on the table 1, it can be judged that Pikatan Water Park has written employee regulations so that it has been standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

In a study (Choirian, Junaidi, and Rahayu 2013) in a research journal entitled Lifeguard Management at Water Blaster Semarang City which explains that employees/lifeguards must be disciplined in order to provide comfort services to visitors.

Based on interviews with managers, Pikatan Water Park has company regulations/PP, SOP (Standard Operating Procedure) which regulates staffing and technical implementation in the field has been regulated in these regulations, Even in a week wearing a different uniform/uniform, namely

The research results overview of human resource aspects in sport recreation vehicle *pikatan Water Park* Temanggung Regency in terms of 7 aspects of human resources obtained the following research results:

Employee Rules

Availability of employee discipline is required for recreational sports at *Pikatan Water Park* to regulate employees to work in accordance with the SOP (*Standard Operating Procedure*) applied at *Pikatan Water Park*.

red Monday, green Tuesday, red Wednesday, blue thursday, batik friday, orange saturday and navy blue sunday. The second informant, operators and employees, added that *Pikatan Water Park* has regulations for employees, one of which is the use of work attributes and uniforms. Based on information data from visitors as the third informant also said that *Pikatan Water Park* employees wear uniforms that show the identity of the workers so that visitors can easily identify them.

Availability of career planning and development

Employee career planning and development is important to improve the effectiveness of employee performance in doing work. With the planning and development of *Pikatan Water Park*, it is expected to be able to provide maximum service to visitors every day.

Table 2. Availability of career planning and development

Sub Aspect	Indicator	Description
Career planning and development	Career development plan	Available by standard
	Career development schedule	Unavailable
	Realization of career development	Available not standard

Based on the table above, it can be judged that *Pikatan Water Park* in career development for

Pikatan Water Park employees has not been fully implemented. According to information from the

manager, only employees who have the educational qualifications of D3 and above have a career development plan. Career development such as participating in training or professional certification is still minimal so that the employee's career development plan has not been maximized in its realization so that in this case the relation in career development has been standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards but needs to be further improved so that more evenly.

In a study (Choirian, Junaidi, and Rahayu 2013) in a research journal with the title Lifeguard Management in a Semarang City Water Blaster, which explains that every employee must attend rescue skills training and has the principle that every employee assign lifeguards with the principle of serving optimally. Of course, in this case, you must go through a process of planning and career development.

Research conducted by Santi Wulandari, Siswi Jayanti, Baju Widjasena (2019) which explains that providing direction, socialization and training for guides must be carried out regularly to ensure that workers always follow the work procedures that have been set. Of course, this has been carried out by the Temanggung water park, but to maximize it again.

Availability of water treatment and engineering competencies

Water treatment and engineering are very important parts of a water park. To maintain water and environmental conditions at the Pikatan Water Park, of course, requires employees/technicians who have certified water treatment and engineering competencies. With certified competence, the Pikatan Water Park rides will be able to be maintained and last a long time and security is guaranteed.

Table 3. Availability of water treatment and engineering competencies

Sub Aspect	Indicator	Description
Water treatment and engineering competencies	Certificate of competence in water treatment and engineering	Available by standard
	Comparative study schedule	Unavailable
	Water treatment and engineering checklist	Available by standard

Based on the table above, Pikatan Water Park has competence in water treatment and engineering so that the results are standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

According to information from the water treatment and engineering competency manager, a comparative study with a better party is carried out, but if there is damage to a heavy vehicle, water treatment and engineering will be transferred to another party in Semarang. From other information obtained with operators and employees, it is stated that they have sufficient competence, which is shown from the information

that they have attended training. However, the information provided does not explain whether the training is officially certified or not.

Availability of management and competency improvement training programs according to their respective fields of duty

Training to improve the quality of management and employee competence is something that needs to be considered to improve the performance of a company. Likewise with the water park rides, to maintain the management environment so that documents are always maintained at the Pikatan Water Park, of course, a training program is needed to improve the quality of management and employee competence.

Table 4. Availability of management and competency improvement training programs according to their respective fields of duty

Sub Aspect	Indicator	Description
Management and competency improvement training programs according to their respective fields of duty	Management and competency improvement training program	Available by standard
	Realization of management and competency improvement training programs	Available by standard

Based on the table above, it can be seen that Pikatan Water Park has a training program to improve the quality of management and employee competence so that the results are standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

According to the writer (2019), management applies terms and conditions before carrying out activities in accordance with Standard Operating Procedures (SOP) such as before becoming an instructor or lifeguard, the person must have a license. Therefore, based on the results of the study, the attraction of the water park has fulfilled it because the management has provided a career development training program.

Research conducted by Santi Wulandari, Siswi Jayanti, Baju Widjasena explained that training is one form of the educational process through training, so that workers will gain learning experiences that can lead to changes in their behavior.

In addition, research conducted by I Ketut Semarayasa et al (2020) also explained that tour guides who have participated in training activities should continue to be able to implement the results

of training activities to improve the quality of services to visitors.

Information submitted by the management as well as operators and employees at the pikatan water park. In the statement it was explained that management and employee training programs are carried out regularly so that the quality of management is guaranteed and Pikatan Water Park remains the choice of visitors to visit so that from this sub-aspect it has been fulfilled and according to standards.

Availability of employee performance appraisal program

A company must have a performance appraisal program for its employees or employees. The work appraisal program is carried out to evaluate the employee's performance whether they are working well or not. Performance appraisal program is made based on each job section. With that way each part can be monitored the results of its work. The performance appraisal program itself is useful for the survival of a company, especially for Pikatan Water Park where employee performance plays an important role in the satisfaction of visitors.

Table 5. Availability of employee performance appraisal program

Sub Aspect	Indicator	Description
Employee performance appraisal program	Employee performance appraisal program	Unavailable
	Employee performance program realization	Unavailable

Based on the table above, Pikatan Water Park does not yet have an employee performance appraisal program so that the results are not standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards. According to information from

managers and working employees, the employee performance appraisal program has never been implemented during Pikatan Water Park. Employee performance appraisal is very important as an evaluation material for employee performance in order to achieve maximum service.

Availability of health and accident insurance coverage

Health and accident insurance is the right of all employees who work in a company. With the availability of health and accident insurance protection, employees who work can provide a

sense of security and comfort so that employee performance is maximized. Given the importance of health and accident protection for employees Pikatan Water Park is a company that is high in risk, so it is very important to give.

Table 6. Availability of health and accident insurance coverage

Sub Aspect	Indicator	Description
Health and accident insurance coverage	Health insurance coverage	Available by standard
	Protection against work accidents	Available by standard

Based on the table above, Pikatan Water Park has provided health insurance protection to employees as evidenced by the BPJS health card so that the results are standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

Research conducted by Abel Kurniawan and Made Sukana (2019) explains that safety guarantees and the application of safety and health procedures must be provided in sports facilities to ensure work safety for employees.

Research conducted by Dwita Citra Andini, Bina Kurniawan, and Ida Wahyuni (2019) explains that the basic work safety guarantees are contained in the Tourism Law, Government Regulations concerning the Implementation of Occupational Safety and Health Management Systems, and the Regulation of the Minister of Manpower and Transmigration of the Republic of Indonesia concerning First Aid regarding Accidents at Work. This has also been implemented at the water park lure in order to ensure work safety for employees.

Research conducted by Julius Simon and Made Sukana (2018) explained that the forms of

accident prevention and control provided by the Company include providing Jasindo insurance guarantees and providing first aid kits to tourists whenever needed at the time of an accident.

Research conducted by Sastrawan, Priesca Gede Anom (2019) explained that management must provide insurance and health and safety insurance to everyone involved in organizing rides activities, both managers and guides.

This is also supported by information from the management and employees who work at Pikatan Water Park which explains that safety guarantees have been provided so that safety at work for both workers and tourists is available and guaranteed.

Availability of competent lifeguards

Water attractive have a large enough risk for accidents to occur. With this risk analysis, it is very necessary for a lifeguard or pool guard who is competent or has a nationally accredited certificate considering the high risk of accidents that can occur.

Table 7. Availability of competent lifeguards

Sub Aspect	Indicator	Description
Competent lifeguard	<i>Lifeguard</i>	Available by standard
	Lifeguard certificate	Available by standard

Based on the table above, Pikatan Water Park already has a lifeguard in each swimming pool so that the results are standardized according to the Regulation of the Minister of Tourism of the

Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

Research conducted by Satwika Wiguna Kusuma and Ida Bagus Suryawan (2016) explained that workers in tourism/lifeguards must have good

competence to reduce the risk of work accidents that may occur.

Research conducted by Nurhalimah, Kanom, and Prabuditya Bhisma Wisnu Wardhana. (2019) it is explained that every lifeguard is also given training to gain knowledge about safety equipment, prevent accidents, and provide first aid in the event of an accident to tourists so that the competence of the lifeguard must absolutely be fulfilled.

Research conducted by Sastrawan, Priesca Gede Anom (2019) explained that instructors or tour guides in paragliding tourism activities must have a minimum license issued by their federation before being able to operate the continuity of tourism activities.

Research conducted by Adz Dzikri, Muhammad Alif, and Made Sukana (2019) explained that instructors or tour guides in sports tourism activities must have expertise in sports and most importantly each instructor or guide must

have a license issued directly by their respective federations.

Information obtained from the management of the water park attraction who provided information that the swimming pool supervisor training had been carried out by the tourism office in 2018. Information from the lifeguard himself stated that the swimming pool supervisor or lifeguard was competent because he had attended the training. However, for those who are certified to national standards, it cannot be shown because the training is only limited to the scope of the region.

Meanwhile, the general description of the results of the research on the aspect of infrastructure in the recreational sports rides at the Water Park, Temanggung Regency in terms of 4 aspects of facilities and infrastructure, the results of the research are as follows:

Availability of Water Attractive

Table 8. Availability of Water Attractive

Sub Aspect	Indicator	Description
Water Attractive	Adult pool rides	Available by standard
	Water Park	Available by standard
	Body Slide	Available not standard
	Kiddy Pool	Available not standard
	Fying fox	Unavailable
	Games	Unavailable

From the interview data above, there are 6 rides in Pikatan Water Park with water rides, all of which can be used, but the flyingfox rides and game rides are no longer operating. With the name of a place that prioritizes water parks, Pikatan has met the requirements with various water rides and also all the rides at the Temanggung water park have met the eligibility standards in accordance with FINA regulations, especially in terms of the physical standards of the rides.

Research conducted by Gabriella Rosita Darmawan, Heru Sufianto, and Agung Murti N. who explained that rides facilities must be able to accommodate children's play activities and still prioritize safety. Likewise, at the attraction of the water park, in this case, there are various kinds of rides that have met the safety standards of the rides as they should.

Availability of Pond Supporting Facilities

Table 9. Availability of Pond Supporting Facilities

Sub Aspect	Indicator	Description
Pool Support Facilities	Stairs up and down the pool	Available by standard
	Pool depth	Available by standard
	Water treatment facilities	Unavailable
	Pool high standard	Available by standard
	Swimming equipment rental	Available by standard

Based on the table above, it can be seen that the pool support facilities aimed at the safety and maintenance of visitor activities on water rides are already available and meet the requirements according to GN.Technologies although not all of them have national standards. According to the information submitted by the water treatment management, it is not routinely carried out because the water that is the source is a source of pure water from the mountains so that the water is maintained and clean. This is not a problem for the safety and

health of the visitors because the water can be ascertained to be sterile and healthy.

Research conducted by Diah Fatmawati, Sulistiyani, and Budiyo (2018) explained that the relationship in pool water treatment really needs to be considered both physically and non-physically so that the water used in the pool is free from pollution to prevent the growth and reproduction of vectors such as mosquitoes. *Aedes aegypti*.

Availability of Supporting Facilities and Infrastructure for Vehicle

Table 10. Availability of Supporting Facilities and Infrastructure for Vehicle

Sub Aspect	Indicator	Description
Vehicle Supporting Facilities and Infrastructure	Organic and inorganic trash	Available by standard
	First aid kits and firefighters	Available by standard
	Security	Available by standard
	Instructions for the prohibition of people with infectious diseases	Unavailable
	Communication equipment	Available by standard
	Information Center	Available by standard
	Emergency special access	Available by standard
	Disability access	Available by standard
	Visitor tables and chairs	Available by standard
	Lifeguard table and chairs	Available by standard
	Visitor locker	Available by standard
	Bathroom	Available by standard
	Changing room	Available by standard

From the table above, the supporting infrastructure at Pikatan Water Park is available and meets the requirements so that the results are standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Standards for Swimming Pool Business. There is a useful supporting infrastructure to facilitate visitors to be comfortable and feel safe when carrying out activities throughout the rides at Pikatan Water Park. However, there is one facility that has not

been met as a minimum standard of safety in water park rides, namely instructions for prohibition for those who have infectious diseases. According to the procedure for receiving visitors, there is no health check when entering the rides at Pikatan Water Park. This is due to the absence of medical personnel to check the health of the visitors. In addition, the effectiveness of time is also a consideration when a health check will be carried out on visitors.

Research conducted by Nurhalimah, Kanom, and Prabuditya Bhisma Wisnu Wardhana. (2019) it is explained that tourists who will try the rides should ideally have their health checked first before carrying out activities so that there is no possible danger of transmitting disease. So, in this case the attraction of the water park must be able to

meet the standards of the prohibition of people with infectious diseases which in this case can be used as a message for visitors who have infectious diseases.

Availability of Visitor Supporting Facilities and Infrastructure

Table 11. Availability of Visitor Supporting Facilities and Infrastructure

Sub Aspect	Indicator	Description
Visitor Supporting Facilities and Infrastructure	Entrance and exit	Available by standard
	Administration area	Available by standard
	Employee place	Available by standard
	Electrical installation	Available by standard
	Praying room	Available by standard
	Warehouse	Available by standard
	Reception room	Available by standard
	Food court	Available by standard
	Parking area	Available by standard

Based on the table above, the supporting places for visitors are fully available at Pikatan Water Park so that the results are standardized according to the Regulation of the Minister of Tourism of the Republic of Indonesia Number 16 of 2015 concerning Swimming Pool Business Standards.

Research conducted by Diah Fatmawati, Sulistiyani, and Budiyo (2018) explained that the facilities and infrastructure that support visitors must of course be maintained, maintained, and also cared for properly so that the facilities owned by the captivating water park always provide comfort for tourists. In this case, every existing area is supported by facilities at the water park that are in good and well-maintained conditions. The existence of supporting places for visitor activities is very useful for the convenience of visitors. With the existing safety standards in these places, it is also an added value for Pikatan Water Park to give a good impression to the visitors.

CONCLUSSION

Based on the results of existing research, the conclusions in this study are for an analysis of work safety both from the aspect of human resources and from the aspect of facilities and infrastructure at the

Pikatan Water Park Water Park, Temanggung, in general, it has been fulfilled and standardized. However, it is necessary to have a performance appraisal for employees, then in terms of the physical condition of the rides to pay more attention to it and also the need for the fulfillment of indicators for the prohibition of people with infectious diseases in the Pikatan Water Park Temanggung recreational area.

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