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The 1st Borobudur International Symposium on Humanities, Economics, and Social Science (BIS-HESS) 2019 is hosted by Universitas Muhammadiyah Magelang, Indonesia. The conference is also co-hosted by other twenty-one institutions. The main theme of this symposium is “Local resources empowerment towards advance, smart and sustainable system” as a part of the United Nations agenda for sustainable development goals in 2030. We hope that our later discussion may result transfer of experiences and research findings from participants to others, from one institution to another, from social researcher to engineering researcher and vice versa.

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Papua's Vertical Conflict in 2019: Existence of Free Papua Movement and United Nations Response

Achmad Busrotun Nufus, Sukron Mazid, Novitasari, Delfiyan Widiyanto, Yasnanto

Conflict between Indonesia Government and separatist of Free Papua Movement (OPM) has become a spotlight of the World and Indonesia citizens. Begins with case of racism against Papua students in Surabaya, August 16, 2019, finally there were many riots in Papua. Some people were killed and injured in...

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The Analysis of Resilience of Young Successful Entrepreneur

Paramita Pramesti, Wiwik Juwarini Prihastiwi

In running a business, entrepreneurs need to maintain consistency and business continuity. Unfortunately, the number of successful young entrepreneurs in Indonesia compared to those who are unsuccessful is still very small. This study aims to find out the process and factors that construct the entrepreneurial...

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Smart Education in Mathematics Learning for Elementary School

Rida Fironika Kusumadewi, Sari Yustiana, Sita Ayu Wijayaningrum

Understanding on concept is required for learners in Elementary schools. It takes a role as a support system needed in learning process for students and was called as smart education. It is hoped that students would more easily absorb the material received so that it would be easier to work on the problems...

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Course Book Analysis of "Islamic Studies and Character Based on the Curriculum 2013" for Grade X in the Perspective of Character Education of the National Education Standard

Muhammad Arfan Mu'ammam, Muhammad Fazlurrahman Hadi

This study is proposed to explore the feasibility aspect of a course book c Islamic studies and character based on curriculum 2013 in the perspective Character Education of BSNP. Descriptive-evaluative research method is used in this research. Findings are gained in this study. First, from the feasibility...

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Rabbani Characters Building in Al-Islam Boarding School Lamongan, East Java, Indonesia

Muhammad Hambal Shafwan, Din Muhammad Zakariya

This research aims to reveal the character building in al-Islam boarding school Lamongan, the method used in this research was qualitative, and the type of this research is phenomenology. The results of this research are as follows. Firstly, the character building in al-Islam boarding school Lamongan...

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Localism and Cultural Preservation Policy in Indonesia: Ideas and Challenges

Sujinah, Agus Wardhono, Sofi Yuniarti

Indonesia is a multicultural country. It has various cultural treasures that display a rich ancestral heritage, in addition to a heterogeneous population. Indonesia is a country that is superior when it comes to the wealth of its local wisdom. Two problems arise, namely how respond to cultural locality...

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Hermeneutic Analysis of Manqul Method in Understanding the Qur'an in LDII and Its Implications

Abd. Hadi

Al-Qur'an was revealed as a way of life. It is a text that can only be understood if it has been interpreted. According to Abdullah Darras that the verses of the Qur'an are like diamonds which each corner emits a different light and it is not impossible to look at it from another angle, it will find...

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Muhammadiyah and the Issue of Liberalism

Mahsun

the issue of liberalism has been talked over in the perspective of Islam and Muhammadiyah organization is no exception. This study is therefore to describe the views of Muhammadiyah on liberalism by providing advanced features of thought among the contemporary Islamic movement in Indonesia and provides...

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The Effect of Leadership Style and Financial Incentives on Employee Performance

Muhammad Anang Firmansyah, Mochamad Mochklas, Andrianto

This research was conducted with the aim to test and analyse the influence of leadership style and financial incentives both simultaneously and partially,

and to find out the variables that dominantly influence the performance employee on "MJA" Travel in Surabaya. Data collection techniques with interviews,...

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Tax Planning in Efforts to Minimize Tax Payable PPh Article 21: Case Study at PT Telkom Kandatel Surabaya

Andrianto, Muhammad Anang Firmansyah, Mochamad Mochklas

This study aimed to obtain evidence about tax planning in an effort to minimize the tax payable on the income tax section 21 PT. Telkom Kandatel East Surabaya. The data used in this study are primary and secondary data. The data obtained directly from interviews with management directly related to this...

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The Effect of Brand Image Perception and Product Quality Toward the Interest to Buy Consumer Pre-Pay IM3 Ooredoo

Didin Fatihudin, Mochamad Mochklas, Dika Arista Suryati

Indosat Ooredoo is a telecommunications network service provider company in Indonesia. The company offers communication channels for prepaid and post-paid telephone users under the brand names Matrix Ooredoo, Mentari Ooredoo and IM3 Ooredoo. IM3 Ooredoo is able to capture a wide market share, especially...

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Income Inequality in East Java Province

Nurul Laili Mauliddah, Asyidatur Rosmaniar

Inequality of income in East Java is still considered high as indicated by the high value of the Gini ratio in most districts / cities. Local government capital expenditure is one of the triggers of the high disparity, in addition to the high per capita spending and open unemployment in East Java. Therefore,...

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Free Cash Flow, Size, and Earning Management

Marista Oktaviani, Mochamad Mochklas

The purpose of this study is to determine the effect of free cash flow and firm size on earnings management in banking companies on the IDX. Research period 2016–2017, secondary data in the form of annual financial reports, with a sample of 30 banking companies. The results of the FCF study have a positive...

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Implementing Environmental Economic Instruments in Indonesia: Constraints and Challenges

Siti Ruhama Mardhatillah

Command-and-Control (CAC) is a classic environmental protection instrument that many scholars told had never been effective nor efficient to reduce environmental damage. Hence, economic instruments (EI's) becoming more popular since its ability achieving environmental target in more efficient way and...

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Legal Reconstruction of Local Government Supervision Toward Good Local Governance

Achmad Hariri

The Role of Local Government for realizing prosperous state is very important, it's because Indonesia has the concept of a unitary state chose the principle of decentralization, so that local governments be given government affairs by the central government, known as autonomy of regions, but the autonomy...

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Integrative Social Movements in Maintaining Sustainable Environmental Development in East Java

Tri Sulistyaningsih, Suprpto, Saiman, Ahmad Hasan Afandi

This aim of this research is to explain and to make a model of social movements in sustainable environmental development. This research uses the qualitative approach to analyze Focus Group Discussion (FGD) data, interviews, and documentation. This research reveals the management of pollution and its...

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The Meaning of Home in Perception of Elderly

Zuraida, Muhamad Koderi, Murni Rachmawati, Muhammad Faqih

An inclusive city is a city that protects minority groups. Inclusive is an important issue now. Elderly is one of the minority groups that need to be considered because their physical abilities are declining and have not been a concern in the completion of the design either in the city or in the smallest...

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Legal Protection for Hospitals in Providing Health Services for Patients and Their Family

Wafda Vivid Izziyana, Andhika Yuli Rimbawan, Martha Eri Safira, Arief Budiono, Dewi Iriana

According to the Constitution No. 44 of 2009 concerning Hospitals, it is explained that a hospital is a health service institution for the people with its own characteristics which is influenced by health science development, technology advancement and the people's socio-economic life which must be able...

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The Women's Role in Public Leadership: The Experience of PCNA of West Jenangan, Ponorogo

Katni, Sigit Dwi Laksana, Puput Wulandari

This paper discusses the role of women's pioneering in public leadership at the organization of the Branch Management of Aisyiyah of West Jenang, Ponorogo, East Java, Indonesia. Women as pioneers of social movements at both the sub-district and village levels, collaborate intensively with various parties,...

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A Prototype Study of Klana Sewandana Figure in Wayang Golek Reyog Ponorogo as a Medium of Patriotism Implementation Character

Sulton, Prihma Sinta Utami, Betty Yulia Wulansari

Klana Sewandana is a central figure in Reyog Ponorogo's story who is known as a powerful king with the mainstay weapon of Pecut Samandiman. This research aimed to; 1) examine the prototype forms of Klana Sewandana figure in the form of Wayang Golek Reyog Ponorogo; 2) examine the symbolic meaning of the...

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Symbolic Efforts for Maintaining Anti-Communist Discourse on Matan Magazine

Radius Setiyawan, Sri Lestari

The discourse of communism in Indonesia is closely related to the tragedies involving the Communist Party of Indonesia (PKI). The meaning of the ideology of communism has become a symbolic fight arena. PKI as victims or as perpetrators of the massacre into a debate that continues to this day. The assumption...

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International Regulatory Vacuum of Cyber Espionage

Dodik Setiawan Nur Heriyanto

Cyber espionage employs computer network to gather illegal access to confidential information from government or certain organization. The advance development of technology acknowledges the sophisticated and illegal means of receiving highly confidential data or information for certain purposes that...

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Out of Court Intellectual Property Right Dispute Resolution

Dewi Sulistianingsih, Muhammad Shidqon Prabowo

Intellectual property disputes can include copyright, trademark, patent, industrial design rights, geographical indicative rights, integrated circuit layout design, and crop variety disputes. They require appropriate resolution and provide not only legal certainty but also provide justice and expediency...

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The Behavior of Islamic Producer in Supplying Halal Food at Laziza and Waroeng Steak and Shake Surabaya

Arin Setiyowati, Kholifatu Azqiya, Umriyah

Halal products become a global Issue. Indonesia is a big market for halal products and the legalization of regulations in Halal products. The attraction between the behaviour of consumers and producers on the awareness of making halal products as a lifestyle in their economy further strengthens the position...

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Genio Ladyan Finasisca, Tri Hayati

New Indonesian Law regarding Mineral and Coal Mining was enacted in 2009 with a high expectation of developing Indonesian mining sector to the next stage in particular and also to encourage economic growth. This law imposed certain new provision to the mining sector regarding downstream mining policy,...

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Various Level of Aggressive Behavior of Schizophrenia as a Basis of Criminal Responsibility

Yulia Kurniaty, Sambodo Sriadi Pinilih

The purpose of this study is to determine the various levels of aggressive behaviour in the form of motor and emotional activity in schizophrenics that affect cognitive abilities and perceptions, as a basis for objective consideration of law enforcement officials to determine whether the offender is...

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Wolio's Oral Literary Form the Character of Millennial in Buton

Islands

Nadir La Djamudi, Asrul Nazar, Kosilah

One of the cultural diversities of the Indonesian people is oral literature. Noble values in Oral Literature should contribute to shaping the millennial

generation to reinternalize Pancasila's character. The condition of the current millennial generation has been fragile due to the threat of globalization....

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Achievement Culture in National Examination at Junior High School

Subur, Istantia Widayati Hidayati

High Grades of National Examination Score is school's success indicator in gaining academic achievements. The schools will compete in improving the quality of their educational processes by encouraging students to get high grades at the Computer-Based National Examination (CBNE). This study aims to identify...

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The Internal Reconstruction of the Phonemes Proto Busoa Language

Asrul Nazar, Nadir La Djamudi, L.M. Azhar Sa'ban

As the language is endangered, language Busoa should the effort of documenting the language as a form of keeping the intellectual property of the ancestors. The purpose of this study was to determine the phonemes of proto-language Busoa. The method in this research is descriptive qualitative

method with...

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The Influence of Soft Skill Competence, Altruism, Team Work, and Innovative Work Behavior on the Quality of Human Resources in BPS-Statistics Indonesia

Eni Lestariningsih, Moch Asmawi, R. Madhakomala

The advancement of communication and information technology forces each organization to continue to develop including improving the quality of human resources. The BPS-Statistics Indonesia, as an important information provider institution in Indonesia, must be able to keep up with all these developments,...

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Empathy and Its Relation to Youth Nationalism in Jakarta

Rahmah Hastuti, Pamela Hendra Heng, Naomi Soetikno

One of factual condition is when observing changes in the attitude of nationalism that occurs in society. The role of nationalism and empathy has been examined from various research studies and representing a variety of perspectives. This study was conducted on 54 individuals who are at the stage of...

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The Development of Learning Media for Land and Building Tax as an Effort to Increase Understanding of Taxation Students

Nurul Afifah, Sri Nirmala Sari

Student's understanding of the object of the Land and Building Tax, especially for the material subject of the Rural and Urban Land and Building Tax, and the Land and Building Tax on Plantation, Forestry and Mining are considered low. The average grade of Bosowa Polytechnic students in the academic year...

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The Impact of Service Quality and Institutional Image on the Satisfaction and Loyalty of Master of Management Students

Nursaid, Sapta Hadi Purnomo, Nurul Qomariah

This study aimed to determine the effect of service quality, image of the institution on the satisfaction and loyalty of master's degree in management at Universitas Muhammadiyah Jember. The study population was all graduate students in Management Universitas Muhammadiyah Jember, and 50 students of them...

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Revitalization of Islamic Education Teachers in the Development of Student Personality

Afiful Ikhwan, Muhammad Farid, Ali Rohmad, Aldo Redho Syam

This research is motivated by a phenomenon of education in the present

which is expected in the challenges of a more severe age where when a child enters elementary school in his soul there is a personality he brings from family. If the child's educational lack of harmony due to family economic conditions,...

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Difference Between Productivity and Income of Rice Farming Between Semi-Technical and Simple Irrigated Rice Fields in Baubau City

Hardin

Water is one the determining factors in the process of agricultural production. In meeting the needs of water for various farming needs, it must be given in the right amount, time, and quality, otherwise the growth of plants will be disrupted so that it will affect the production, productivity and income...

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Analysis of Cashew Nut Marketing Channel in Southeast Sulawesi Province

Wa Ode Alzarliani, Hardin

The condition of an effective and efficient marketing system can be used in support of the existence of price information which is not only known to traders but also related to farmers so that farmers do not depend on weak positions as recipients of low prices. Search results show the cashew nut flow...

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Application of the Position Auction

Sanidjar Pebrihariati

Auction or rather promotion actually has a very strong legal basis in Law Number 32 of 2004 concerning Regional Government governs the authority of regional heads to determine the structure of Regional Government Organizations (WTO) and filling positions. The study is aimed to analyze the auction best...

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Character Education Based on Children's Education Jurisprudence

Tri Ermayani, Iyus Herdiana Saputra, Nasrudin

Godly children are not born but are formed by the educational process from an early age. One of the main subjects in children's character education is fiqh. Fiqh is needed to understand children about Islamic law. Because the object of fiqh is adults, fiqh tends to be taught to school-age children, especially...

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Effectiveness of Teacher Professionalism Development Through Self-Empowerment in Primary Schools

Andi Lely Nurmaya, Irsan, Nur Dahniar, Hijrawatil Aswat, Mita Kasih Laode

Onde

The educational process is inseparable from the large role of educators w
succeed or not learn that takes place at school. In carrying out the task, the
teacher challenges various challenges, challenges and challenges in the field,
not the least number of teachers who are less able to process the...

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Multicultural Competence and Interactional Justice on Performance of Government Apparatus: Evidence from Lampung Province

Suyanto, Nedi Hendri, Karnila Ali

The study of management control in government organizations has missed
important issues to examine the role of multicultural competence in fostering
working relationships and achieving better performance. This study aims at
test empirically about how the influence of multicultural competence and
interactional...

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Implementation of the Alternative Dispute Resolution Principle in Handling Traffic Crimes that Result in Minor Injuries

Indah Kusuma Dewi, Hardin, Faais Mufaasir Ramadhan

Settlement of traffic cases is usually through a litigation system, but now the
possibility exists for a peaceful settlement provided that the perpetrators are
children and the threat is under seven years in prison. This study aims to
determine how the process of handling cases of criminal acts due to...

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Policy and Economy Analysis on the Application of the Smart on Grid Actuator to Public Road Lighting in Magelang City

Andjar Prasetyo, Asrori, Hotnier Sipahutar, Budi S Catur Wibowo, Gunawan, Deden Nuryadin

Magelang City with limited natural resources encourages its regional government to be able to develop its existing potential from renewable energy. One of the works that has been produced, namely Smart on Grid Actuator (SOGA) is the result of the development of the Research and Development Agency for...

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The Impact of Institutional Strategies in the Innovation Process on the Community Behavior and Local Government in Magelang City

Arif Barata Sakti, Andjar Prasetyo

Magelang City is one area that is part of the Central Java Province, Indonesia. The development process in Magelang City has the same model as other regions in Central Java Province. One important aspect in the development process is the existence of institutions that carry out development. The issue...

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The Identity of Daramjwi Character in Anatoli Kim's Daran

Mutiara Chaerani, Eva Latifah

This novel is chosen because it is written by Korean representation author in Russia. This research discusses the identity crisis issue that occurs in Korean diaspora in Russia and Central Asia. Korean diaspora in Russia and Central Asia has been going on since the 1860s. We argue that the identity crisis...

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Village Financial Management Toward Community Empowerment

Hastuti

Village financial management is one of the breakthroughs in village financial management towards community empowerment and it is to improve village development. The purpose of this study is to describe village financial management in empowering the community and to find out some of the factors that enable...

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Identity Politic Contestation in the Public Sphere: A Steep Road of Democracy in Indonesia

Ansar Suherman, Muhammad Rizal Ardiansah Putra, Mansur

This article aims to analyse and describe efforts to exploit public sphere by political elites in Indonesia through the use of mass media by spreading identity political propaganda, and efforts to find the agenda-setting of the mass media, especially behind the rampant loading of news about identity...

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Impact of Child Development Psychology on Conflicts Between Gunung Jaya and Sampoabalo Village, Buton of Regency

M Ulfa, R S Sadif, W O Husniah, K Unhaluddin, L M H Adan, M A Isra Miranti
Aim

The environment is one of the factors that influence the establishment of individual behavior. This study aims to determine and describe the psychological impact of children's development on conflict areas. This study uses a phenomenological approach with qualitative descriptive methods. The research...

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Sharecropping Agreement in Accordance with Maqasid Al-Syariah

Muhammad Fajar Pramono, Mulyono Jamal, Ruchhima, Nur Azizah Latifah

This research was conducted in Sambirejo village Ngawi, where the majority of the population worked as farmers and one of the systems by the community to cultivate land was the sharecropping system. The sharecropping agreement is carried out based on the traditions or customs in the village. The ratio...

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Kabanti Kaluku Panda: An Ecofeminist Perspective in Local Wisdom

Kosilah, S Hafidhawati Andarias, Arya Maulana Wijaya

Study of ecofeminism in local wisdom, especially in the indigenous people is relevant for this time. Buton has literary works of Kaluku Panda Atuwu Incana Dempa, to provide direction for social life based on environmental values and Islamic teachings. This study tries to identify of the suitability of...

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Zakat Analysis of Freelancer Profession

Mohammad Ghozali, Abdul Hafidz Zaid, A'yun Nadhira, Rahmah Fauziah

Indonesian Freelancers make an extraordinary contribution to the Indonesian economy. This is the impact of successful freelance workers in Indonesia. This freelancing profession raises several cases, one of which is the zakat that must be issued in this profession, with its development in the Industrial...

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Determinants of Intellectual Capital Performance in Indonesian Manufacturing Companies

Pandu Harirangga, Rosinta Ria Panggabean

In the last few decades, the world has been undergoing rapid advancements in science and technology that influence global economic development. A change from industrial to science-based economy has also embarked. Science

holds a prominent role in the utilization of intangible resources in the for
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The Impact of Balai Sakinah 'Aisyiyah Programs on Increasing Women Empowerment

Eko Kurniasih Pratiwi, Istantia Widayati

Women empowerment is an essential goal in achieving sustainable development worldwide. In 2016, however, Indonesia ranked 105 out of 159 countries in the Gender Inequality Index. It indicates that women's leadership capacity and gender equality in Indonesia must be improved. Balai Sakinah 'Aisyiyah (BSA)...

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A Cognitive Semantics Analysis of Wolio Proverbs Related to the Human Body

Firman Alamsyah Mansyur, Ratna Said

Proverbs are expressions of language that show a close relationship between language, culture, and human cognition. Therefore, this paper aims to explain the cognitive mechanisms that cause humans to form proverbs that use their body from a cognitive linguistic point of view. The method used is a qualitative...

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Critique of Racism in the "Waktu Indonesia Timur" Program on NET TV

Rosalia Prismarini Nurdiarti, Rani Dwi Lestari

Intolerance, conflict, cultural disorientation and racial discrimination are trends in socio-cultural pathology which are relatively easy to find today.

These events are recorded in Indonesian territory and are an actual reference to raise the problem. Indonesia, which consists of various races, ethnicities,...

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Religious Character as the Main Base of Education in Indonesia

Achmad Husaen Sastra Negara

Indonesia's educational goals are still limited in emphasizing the academic aspect. This paper tries to provide a conceptual idea to offer a paradigm of religious character as the main base of education in Indonesia. The purpose of this paper is to find out the strategy of a plan on how to play religious...

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Indonesian Adaptation of Entrepreneurial Self-Efficacy Scale

Aftina Nurul Husna, Nur Akmal

Entrepreneurial self-efficacy (ESE) is a crucial psychological variable intensively studied in Indonesia entrepreneurship research. However, it lacks of reliable and valid instrument to measure the construct. This research aims to adapt Entrepreneurial Self-Efficacy Scale (ESES) into Bahasa Indonesia...

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Al-Haram Law Discovery Process in Indonesian Ulama Perspective: A Study of Abdul Hamid Hakim's Thoughts

Agus Miswanto

This research is a literary study of the thoughts of a prolific Indonesian cleric, Abdul Hamid Hakim, on his trajectory in determining the provisions of illicit. To parse his thoughts, the study uses Islamic legal theory approach; and for analysis it uses content analysis. From this research it was found...

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The Impact of Mind-Mapping Method to Student's Career Decision-Making

Sovi Septania, Tansri Adzlan Syah

Technology is constantly changing the way we work which will emphasize variance of work itself. It created a host of new position of job which never before existed. The career options available today is nothing like they were 20 years ago. Career decision-making present an important role to endorse productive...

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Learning Values Model in Early Childhood Education: A Case of a Nature School in Central Java, Indonesia

Fauzi, Ifada Novikasari

Values based education is currently a concern in the development of

values based education is currently a concern in the development of contemporary education. Some schools have applied indoor or outdoor v education. Outdoor education is an interesting option since students may directly interact with the environment. This article aims at introducing values based...

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Zakat Corporatism: The Way to Improve the Management of Zakat Institutions in Indonesia

Lungid Wicaksana, Kristina Setyowati, Didik Gunawan Suharto

The emergence of a new law on the management of Zakat raises pros and cons, both among the citizen and private sector zakat institutions. What's more, recently, there were rules regarding payment of 2.5% zakat for Civil Servants. This seems to make the private sector zakat institution more subordinated....

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The Principal's Policy in Developing Religious Culture

Sri Badriyati, Suliswiyadi, Nurodin Usman

The purpose of this study is to describe: 1. the form of religious culture in elementary Muhammadiyah elementary schools in the district of Muntilan, 2. the principal's policy in developing religious culture, 3. The impact of success after developing religious culture. This study uses qualitative research....

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Superior Local Content Curriculum Development Management of Al Firdaus Islamic Elementary School

Hozaimi, Imam Mawardi, Imron

Local content in the curriculum structure becomes a space for superior curriculum development for schools, especially private schools. This has become an attraction for the community. Excellence is not only to attract the interest of the community, but also must be managed properly. This research aims...

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The Headmaster's Policy in Establishing Partnerships for Improving Private Vocational Schools Quality

Khasanah, Imam Mawardi, Imron

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Management for the Development of Mosque-Based Religious Characters

Lukman Nur Hakim, Imam Mawardi, Imron

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Muhammad Abdul Khaliq Wahid, Ismi Dwi Astuti Nurhaeni, Sudarmo, Didik Gunawan Suharto

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Nurmai Lindasari, Enik Suhariyanti, Sri Margowati

The deterioration of the function of organs especially in the elderly causes the elderly to be prone to attacks by various chronic diseases, including Hypertension. Non-pharmacological therapies that are used include yoga. This study is going to determine the effect of Yoga Pranayama Dhiirga Swasam with...

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Wa Ode Riniati

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Jeane Betty Kurnia Jusuf, K Khatimah, Y Rahmawati, Julianur, N A Mahardhika, Januar Abdilah Santoso

The purpose of this research was to identify the rough motor skills of students before and after the rhythmic gymnastics' activities, and the application of it to improve rough motor of the students. The sample was from the upper class of Islamic Centre Elementary school which where the students' rough...

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The lack of knowledge, perceptions and wrong attitudes in society about drugs causes irrational use of drugs. This research aims to assess the perceptions, knowledge and attitudes of non-health students about medicine

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Diyan Indriyani

Teenage girls at school highly need a mentoring in improving the understanding of adolescents' reproductive health with all its problems. Teachers are the closest ones to students while studying at school. The increase of teachers' understanding on reproductive health in adolescents' can be an easier...

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Asmuji, Sofia Rhosma Dewi, Cahya Tribagus Hidayat

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Muhammad Hazmi, Habib Waliyuddin, Hudaini Hasbi

Production of Ciherang Rice mainly planted in East Java decreased due to soil

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Paramita Nuraini, Nofi Nur Yuhanita, Endah Ratna Arumi

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Study of Correlation Between the Interest of Counselling Through E-Counselling Application and Students' Self-Disclosure

Nofi Nur Yuhanita, Paramita Nuraini, Tawil

This study aims at investigating the correlation between the interest of counselling through e-counselling application and students' self-disclosure in Junior High School (henceforth called as SMP) Muhammadiyah Pujotomo Magelang. Self-disclosure is a communication acted out by individuals to make themselves...

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Triasesiarta Nur, Rosinta Ria Panggabean

The ability to predict financial failure forms an essential topic in financial research. The various models developed to predict the occurrence of Financial Distress and serve as an early warning system for the company's stakeholders before bankruptcy occurs. Enhanced accuracy of the predictions improves...

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Dian Retnaningdiah, Retno Ika Sundari, Djandjang Purwo Sedjati, Titiana Irawani

This study is aimed at investigating to what extent the awareness or willingness of artisans in the village Argosari toward 9 innovation products made of stagen. Descriptive analysis was employed to reflect the data obtained from the process of identifying HR and products. Chi-square analysis was used...

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Akhmad Yunani, Ery Supriadi

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Online Social Support Communication of Breastfeeding Mothers on Facebook Group

Wichitra Yasya, Hardinsyah, Pudji Muljono, Kudang Boro Seminar

Improving maternal and child health is one of the Sustainable Development Goals to be achieved. Breastfeeding is a natural and sustainable strategy to achieving that goal. One factor proven to have a positive effect on breastfeeding behaviour is the optimization of social support. In the age of social...

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Friztina Anisa, Veni Soraya Dewi, Nur Hidayah

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Akhmad Aflaha, Rizki Budhi Suhara

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Rudi Abdullah, Samsul Bahari Bahar, Asrianti Dja'wa, La Ode Dedi Abdull

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Calculation Analysis of Batako Press Production Cost in CV. Batako Anugerah Baubau, Indonesia

Endang Tri Pratiwi, La Ode Dedi Abdullah, Rudi Abdullah, Asrianti Dja'wa

The purpose of this study was to determine whether the production cost of press brick in CV. Batako Anugerah Baubau was right. The population in this study is the calculation of the products basic cost of Press Brick Products in CV. Batako Anugerah Baubau. The sample in this study is the calculation...

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Rochmat Aldy Purnomo, Arief Budiono, Ajeng Pipit Fitriani, Adi Santoso, Choirul Hamidah

This conceptual paper is show that muslim society is more aware of the importance of sharia banking as a necessity. The Muslim society pays attention more to the usury consequences and risks when they are dealing with conventional banks because the interest provided by conventional banks is considered...

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Agus Sutanto, Eva Faza Rif'ati, Nabila Indira Indrianti

Risk is a probability of occurrence beyond the unexpected events in any human activities and could become a disadvantage. Distribution operational in LPG storage, various activities will cause danger and hazard that can inhibit the distribution operational. These hazards can have an impact on productivity,...

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Hanifa Azzahro, Andian Ari Istiningrum

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Yunanik

Utilization of the Balun Field Gas Well, Cepu, is related to fulfilment and improves the welfare of the Cepu people and its surroundings, then a mapping of the market potential in the area of potential gas wells in Balun Field. Utilization of the Balun Gas Well from PM 2 Balun has a gas reserve of ±...

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Nur Kholidah, Muhammad Arifiyanto, Miftahur Rahman Hakim

Islamic banks as financial institutions engaged in Sharia finance services have been supposed to issue zakat following Islamic rules and legislation so that the purpose of benefits and blessings can be achieved. However, the awareness to pay Zakat company can be said still quite low in Indonesia. This...

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Miftahur Rahman Hakim, Leni Susanti, Nur Kholidah

The concept of zakat is recommended to create a balance of individual and social life. The collection of zakat in LAZISMU X is still slightly contrary to its enormous potential. This study aims 1) To find out the of zakat's fund collection method on LAZISMU X 2) To find out the application of business...

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Edy Subowo, Imam Rosyadi, Hadwitya Handayani Kusumawardhani

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Dynamic Level of SMES E-Commerce Readiness Level: An Empirical Investigation in Indonesia

Rochmat Aldy Purnomo, J J Sarungu, Bhimo Rizky Samudro, Tri Mulyaningsih, Rizki Listyono Putro

The purpose of research is to describe the profile of SMEs, evaluate and measure the level of e-commerce readiness ability of SMEs which doing in Indonesia, which starting in Ponorogo. The analytical tool used is an ecometer that serves to measure the level of ecommerce readiness capability for registered...

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Analysis of Occupational Accident in Household Garbage Man Community in Jember, Indonesia

Asmuji^{1*}, Sofia Rhosma Dewi¹, Cahya Tribagus Hidayat¹

¹ Universitas Muhammadiyah Jember, Jember, Indonesia

*Corresponding author. Email: asmuji@unmuhjember.ac.id

ABSTRACT

Household garbage man is a job that is at risk of causing illness and accidents due to work. The type of waste produced by households has diverse characteristics with all the negative impacts it causes. This research is a quantitative study with a correlative design that aims to identify the correlation ship between the use of personal protective equipment (PPE), posture and conditions of work facilities and incidents of occupational accidents. This study is involving 50 respondents taking by simple random sampling from 73 people who work as garbage man. The data collected using a questionnaires and observation sheets. Data analysis used the Spearman's Rho statistical test. The result shows the used of personal protective equipment (boots) is related to accident due to work (p value: 0.004; α : 0.05; r: 0.398). The use of personal protective equipment (gloves) is related to accident due to work (p value: 0.005 α : 0.05; r: 0.388). Proper postural body is related to accident due to work (p value :0.015; α : 0.05; r: -0,343). Condition of work facilities are related to accident due to work (p value: 0.026; α : 0.05; r: 0.315). The use of proper personal protective equipment, supported by work facilities and good posture can reduce accidents at work.

Keywords: *occupational accident, household, garbage man community*

1. INTRODUCTION

Garbage has become a national phenomenon. As the population continues to increase, it will also increase the amount of waste generated. Urban population worldwide are estimated at 4.3 billion people in 2025 which means waste generated is also increasing. Waste from the activity of city dwellers around 1.24 kg/person/day so that it will generate waste around 2.2 billion tons for a year [1]. Based on the data from Ministry of Environment and Ministry of Industry in 2016, there were about 65.2 million tons waste that generated in Indonesia for a year [2]. Urban municipal waste mostly produced by households and commercial companies [3].

Since the household waste production is high, it requires good management starting from the household level to the final disposal site. The collection process from households to temporary shelters require sufficient number of worker (garbage man). In addition, it needs a healthy body and strong energy.

Household garbage man is a job that is at risk of causing illness and accidents due to work [4], [5]. The risk is caused by household waste were various type of solid material left over from household activities that are no longer used. Various type of garbage produced by households include organic and inorganic waste, easy to rot and not, flammable and non-flammable, sharp and blunt one. Most of household waste are in the form of food, woods, iron, broken glasses, cans, plastics, papers and others. Kuijer & Frings-Dresen [5] said that some factors that could increase the risk of

having occupational accidents in garbage man are the waste they have been take is not only rotten foods waste but also consist of broken rubbish, glass, sharp metal and also used cans. The diverse characteristics of household waste also present a diverse risk for garbage man as the collectors.

The process of collecting and moving rubbish from the household to the garbage cart, and from the temporary shelter to the truck requires adequate equipment and facilities. According to Yang et. al. [6], waste management in most developing country, including Indonesia, is done manually. The low quality of equipment, inadequate facilities, and manual collection by hand are put the garbage man in high risk position of having occupational accidents. In the other hand, low level of educational degree and lack of knowledge can further worsen and increase the number of occupational accidents. Aryantiningsih & Husmaryuli [7] stated that the loss caused by occupational accidents is loss of life and property.

The process of collecting and moving waste manually with the improvised equipment and facilities that rely on physical strength can caused the accidents due to work because of sharp object, scratched, sliced, slipped, sprained feet, hand and neck and also pain in their waist and back. Cointreau- Levine [8] obtained data that the biological risks mentioned by the scavengers are accidents due to scratched glass, needles, thorns, and contacts with substances found in the waste. Rimanto [9] said that complaints are often felt by garbage man are musculoskeletal disorders including pain in lower back, neck and knee.

2. METHOD

This research is a quantitative study with correlative design aims to identify the correlation ship between the use of personal protective equipment (PPE), posture and work

facilities with incidents of occupational accidents in garbage man. This study is involving 50 respondents taking by simple random sampling from 73 people who work as garbage man. The data collected using a questionnaires and observation sheets. Data analysis used the Spearman's Rho statistical test with $\alpha = 0.05$.

3. RESULTS AND DISCUSSION

3.1. Correlation of the Use of PPE (Boots) with The Incidents of Occupational Accidents in Garbage Man Community

Household waste are solid material that is left over from household activities that are no longer used. Those waste are having various types and characteristics. The sharp object is one kind of household waste that is dangerous if it is not properly managed. It is also often causing accident du to work on the garbage man.

Accident is an unexpected event. Unexpected, since behind the incidents there was no intentional element [10]. Working accidents can happen anytime and anywhere. The risk of an occupational accidents depends on the type of works. Working as a garbage man, will put them in a risk of having occupational accidents related to the activity they have done. The occupational accidents that experienced by the garbage man could happen to all of body parts, including

the legs. Potential of having occupational accidents on their legs are high. The garbage man's feet are used as a pedestal during work and also to trample various types of garbage. Occupational accidents in the garbage man's foot could be punctured, scratched, and sliced by sharp or sprained rubbish. The use of PPE (boots) is needed in order to protect the leg during working. PPE is absolutely needed. The use of PPE is useful since this boots will protect the body form harmful objects. Pravitra et.al. [11] stated that the use of PPE serves as protector for every part or whole body from potential dangers or occupational accidents. The use of PPE is does not give full warranty that the garbage man will save from occupational accidents. But it will be able to reduce the risk of having occupational accidents caused by rubbish sharp object. Pravitra, Bagyono, & Hendrarini (2017) stated that PPE may not perfectly protect the body, but it will reduce the severity of accidents that may occur. This can be seen in table 1 which show that despite having a correlation ship in the low category, PPE is still useful in preventing and reducing the occurrence of occupational accidents in garbage man's foot Occupational accidents in the legs of garbage man in Jember apparently do not only occur in those who do not use PPE at work. The fact is that this kind of accidents is also occur in those who wearing boots. Based on information conveyed by the respondents, the etiologic of injury to their foot was sharp objects such as skewers, needles, glass, and other type of metal. Those kinds of rubbish still could penetrate the boots and eventually hurt the foot.

Table 1 Correlation of the use of PPE boots with the incidents of occupational accidents in garbage man community in Jember

The use of PPE (boots)	Frequency of Occupational Accidents						Total	
	Often		Seldom		Never		f	%
	f	%	f	%	f	%		
Seldom	33	86	8	14	0	0	41	100
Often	0	0	8	100	0	0	8	100
always	0	0	1	100	0	0	1	100
Total	37		12		1		50	100

pvalue = 0.004; $\alpha = 0.05$; $r = 0.398$

Table 1 shows that garbage man in Jember are not use the PPE properly. At the working time, they seldom wearing boots. They tough that the boots are no too important. Using boots for the majority of garbage man is considered to be able disrupt work activities and agility.

Factors such as lack of knowledge and self-awareness of the use PPE are still become biggest problem in worker community, including the garbage man. The lack of knowledge and self-awareness become the basis for humans to behave or act. It will increase the risk of having occupational accident. Widodo [12] stated that occupational accident could happen due to careless behaviour or unsafe condition such as physical or environmental influence.

Another factor which cause the garbage man not wearing PPE is because they are unable to afford it. They work informally and earn little income by collecting and selling recycled goods [13]. Some study stated that their working conditions is on low socio economic level [14]–[16]. Their salary is not enough to afford a good boot. A poor-quality

boot will be easily torn and pierced by sharp objects and only last for a month.

This condition is very alarming and needs attention. The role of various parties, especially the policy makers, is needed to observe and supervise the facilities. The Minister of man resources stated that one of the etiologic of occupational accidents is due to lack of supervision and implementation of working safety in working place. So, it needs a real effort to prevent and reduce the incidence of occupational accident or occupational disease maximally.

3.2. The Correlation ship of The Use of PPE Gloves with The Incidence of Occupational Accident in Garbage Man Community in Jember

The proper use of PPE is strongly recommended and required for all workers. Especially for the job which is high

risk of unwanted events. The proper use of PPE will reduce the risk of unwanted events. Garbage man is a high-risk job. Beside of occupational accidents, the garbage man is at risk of having disease due

to the chemical content in the garbage. Accidents that occurs in the hand of garbage man are including scratched, pierced or cutted by sharp objects.

Table 2 The correlation of the use of PPE gloves with the incidence of occupational accident in garbage man community in Jember

The use of PPE (Gloves)	Frequency of Occupational Accident				Total	
	Often		Seldom		f	%
	f	%	f	%		
Often	29	76	9	24	38	100
Seldom	4	33	8	67	12	100
Total	33		17		50	100

Pvalue = 0.005; α = 0.05; r = 0.388

Occupational work in garbage man’s hand in Jember is happen since the garbage collection still by using hand directly. Various characteristics of household garbage, especially sharp rubbish (metal, cans, broken glass, thorns and other types of sharp rubbish) will increase the risk of having occupational accidents.

The efforts that can be made to reduce those mentioned risk is the use of PPE to protect hands (rubber gloves). Even though as stated before that the use of PPE does not guarantee that the worker is free from occupational accidents. This statement is supported by the data which is said that all respondents experienced occupational accidents in their hands such as scratched, punctured or cut. This incident is not only experienced by those who is not wearing gloves but also those who wearing PPE when working.

Gloves is not just able to withstand sharp objects such as iron, nails, broken glass, or skewers. All of garbage man experienced occupational accident in their hand even though they already have wearing the glove. But by wearing

the glove at work it will reduce the risk of having occupational accident compare to those who doesn’t. Correlation of Body Posture with The Incidence of Occupational Accident in Garbage Man Community Jember

Perfect postural body in doing work will guarantee the safety at work. Wrong posture will lead to musculoskeletal disorder [17], [18]. Occupational accidents experienced by the garbage man is happen due to the injury of their musculoskeletal system [19]–[21]. It is because when doing their jobs, they are using their physical strength so that it could lead them for having musculoskeletal disorder [22]. Besides that, wrong posture at work could lead to the incidence of twisted muscle or even fracture. Mallapiang et. al. [23] found that the most frequent complaints by the garbage man is muscular pain, sprain and back pain. Singh [24] stated that musculoskeletal disorder is significantly higher in the lower back, knee, upper back, shoulder and ankle.

Table 3 Correlation ship of postural body with occupational accident in garbage man community in Jember

Postural body	Occupational Accident				Total	
	Happen		Never		f	%
	f	%	f	%		
Wrong	22	51	21	49	43	100
Proper	3	43	4	57	7	100
Total	29		21		50	100

pvalue= 0.015; α =0.05; r= -0.343

Being a garbage man is dominated by physical strength. Collecting the garbage from household, pushing the garbage cart, and moving it to the truck is a strenuous activity. Lifting and carrying the wet trash was the most strenuous one.

Lifting, carrying and pushing the garbage without proper body posture will caused a serious injury to musculoskeletal system. The ignorance to maintain proper posture at work contribute to occurrence of injury. The observational study shows that all respondents doing wrong position when handling the garbage. It supported by the data that 57% respondents stated that they experienced pain in back, waist, shoulder, neck, knee, and wrist at the time and after lifting or carrying the garbage. This finding is in line the study conduct by Rimanto [9] which stated that most frequent

complaint experienced by the garbage man are muscular pain in lower back, neck and knee.

3.3. Correlation of stepping steps facilities with the incidence of occupational accident in garbage man community in Jember

Moving the garbage from garbage cart to the truck is a routine activity that always be done by the garbage man in Jember. The stepping stairs is a facilities that has been made to resolving the distance between the cart and the truck which is relatively high. Rizal (2011) stated that proper facilities are strongly needed to handling the garbage and it is a must.

The use of stepping stairs to picking up the trash from the cart to the truck is also has the negative impact. Stepping stairs facilities should be made from strong material, sloping, the distance between steps is not too far, the sole of

the feet can stand perfectly, not slippery, and has safety handles on both sides. This thing is need to be considered to reduce the risk of occupational accidents.

Table 4 Correlation of stepping steps facilities with the incidence of occupational accident in garbage man community in Jember

Stepping Stairs Facility	Occupational Accident				Total	
	Happen		Never		f	%
	f	%	f	%		
Bad	27	73	10	27	37	100
Good	5	38	8	62	13	100
Total	32		18		50	100
pvalue = 0.026; α = 0.05; r = 0.315						

The real condition, stepping those handles stairs facilities that used to picking up the trash to the truck are very far from what has been recommended. Stairs are made of zinc with no stairs, but given bamboo with a distance of more than 50 cm between bamboo for stepping. This condition is worst by liquid waste scattered at the top of the stairs make the stairs slippery and endangering the garbage man. It supported by the data that 32 respondents said that they experienced slip when climbed up the stairs.

The stairs are not only stepping foot. Stairs is a facility that has been made to ease the garbage man when doing their activities. The safety of the user should be considered. Stairs should be made from the stepping foot and supported by safety handle on both sides. The handle is useful for those who need to hold on while climbing up the stairs. The handle is should made of strong material, so it will not endanger the user.

Condition in location of study shows that the safety handle is not available. The insecurity of the condition of the stairs is strengthened by the incidence of occupational accidents in the form of falling from the stairs with the total number of 17%.

4. CONCLUSION

Personal protective equipment like boots and glove; proper postural body and facilities are related significantly with the incidence of occupational accident in garbage man community in Jember. The use of personal protective equipment for household garbage man, in the form of boots and gloves, are strongly needed to minimize the incidence of occupational accidents Another thing that is important to prevent musculoskeletal injury at work is by maintaining proper postural body. Supporting facilities to reach zero accidents in garbage man is by providing the ergonomically stairs.

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