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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER
REVIEW KARYA ILMIAH: JURNAL ILMIAH**

Judul Artikel Ilmiah : **Individual characteristic and cadmium level in blood on tradisional metal foundry workers**

Nama semua penulis : Yuliani Setyaningsih, **Ari Suwondo**, A. Saihu

Status Pengusul (coret yg tidak perlu) : ~~Penulis Utama/ Penulis Utama & Korespondensi/ Penulis Korespondensi/ Penulis Anggota~~

Status Jurnal:

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a	Kelengkapan unsur isi artikel	Kelengkapan isi artikel sudah sesuai dengan pedoman Indian Journal of Public Health Research & Development yaitu introduction, method, results and discussions, conclusion, acknowledgements, references
b	Ruang lingkup & kedalaman pembahasan	Penulis melakukan penelitian observasional analitik karakteristik individu dan kadar cadmium dalam darah pada pekerja pengecoran logam tradisional. Topic ini sudah sesuai dengan scope dari jurnal yang dituju yaitu Indian Journal of Public Health Research & Development
c	Kecukupan dan kemutahiran data/informasi dan metodologi	Metode penelitian cukup, dengan menggunakan 21 referensi sebagai acuan
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Semarang, 22 Maret 2020
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Dr. Ir. Mursid Rahardjo, M.Si
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**LEMBAR
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d	Kelengkapan unsur dan kualitas jurnal (30%)	9	8
	Nilai Total	30	27
Nilai yang didapat pengusul:		$27 \times 0.4 = 10,8 / 2 = 5,4$	

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b	Ruang lingkup & kedalaman pembahasan	pembahasan artikel cukup baik didukung referensi yang memadai dengan kesimpulan bahwa status gizi, lama bekerja dan jenis pekerjaan berhubungan dengan kadar cadmium dalam darah pekerja pengecoran logam.
c	Kecukupan dan kemutahiran data/informasi dan metodologi	Metode penelitian sesuai dengan tujuan penelitian dan artikel ini menggunakan referensi yang cukup yaitu 21 karya ilmiah meskipun 8 diantaranya kurang update namun lebih dari 20% karya ilmiah yang digunakan adalah artikel penelitian.
d	Kelengkapan unsur dan kualitas jurnal	Artikel terbit di jurnal saat masih terindex di scopus dengan SJR 2019 adalah 0,124. Jurnal memiliki ISSN dan editor pada jurnal berasal lebih dari 4 negara.

Semarang, 19 Maret 2020

Reviewer 2



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NIP. 196204141991031002

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Indian Journal of Public Health Research and Development
Volume 10, Issue 3, March 2019, Pages 777-781

Individual characteristic and cadmium level in blood on tradisional metal foundry workers (Article) (Open Access)

Setyaningsih, Y.^a, **Suwondo, A.**^a, Saihu, A.^b

^aOccupational Health and Safety Department, Indonesia

^bMagister of Health Promotion, Public Health Faculty, Diponegoro University, Semarang, Indonesia

Abstract

View references (21)

Cadmium is one type of seriously hazardous heavy metal if inhaled. Acute cadmium poisoning may result from exposure of cadmium oxide vapor during metal melting process. This study aims to determine the factors of individuals characteristic associated with levels of cadmium in the blood of workers. This research is an analytic observation research with cross sectional approach. Samples were taken purposively from 30 metal casting workers. The research variables are smoking habit, BMI, working hours, duration of work and occupation as independent variables and cadmium levels in the blood as dependent variables. Blood cadmium levels were measured using Atomic Absorption Spectrophotometer (AAS). Data were analyzed using chi-square. Although there was no correlation between smoking habit and working hours on cadmium blood level (p value > 0,05) but there was correlation between nutritional status, duration of work and occupation to cadmium in blood (P value < 0.05). There is a relationship between BMI, duration of work and type of work with cadmium levels in the blood of metal casting workers, for modification of workplace ventilation and the use of personal protective equipment to increase fume of cadmium in workplace. © 2019, Indian Journal of Public Health Research and Development. All rights reserved.

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Cadmium in blood Individual characteristics Metal casting

Indexed keywords

EMTREE drug terms: cadmium

EMTREE medical terms:

adult Article blood level cadmium poisoning clinical article cross-sectional study environmental exposure foundry human laboratory test male nutritional status occupation research smoking habit worker workplace

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cadmium, 22537-48-0, 7440-43-9

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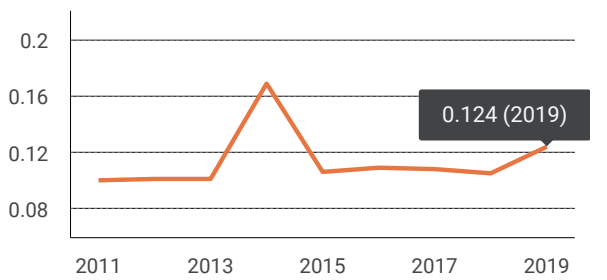


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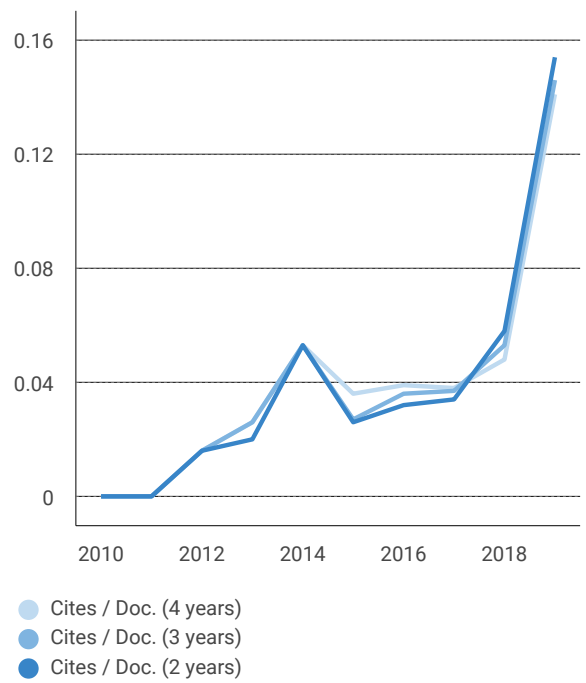
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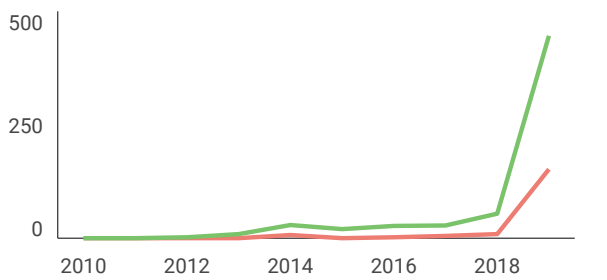
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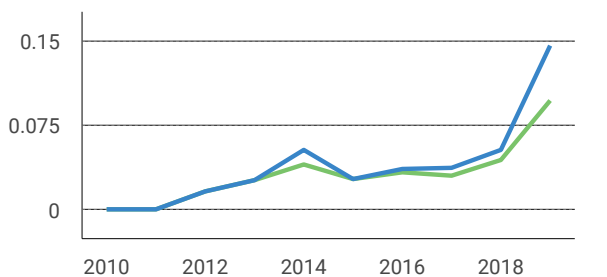
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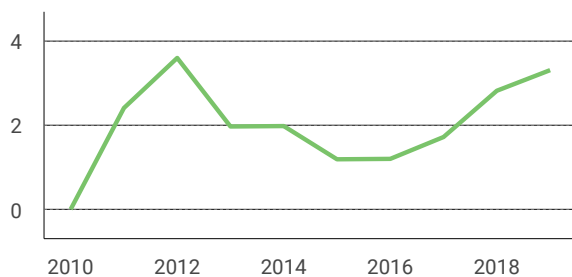
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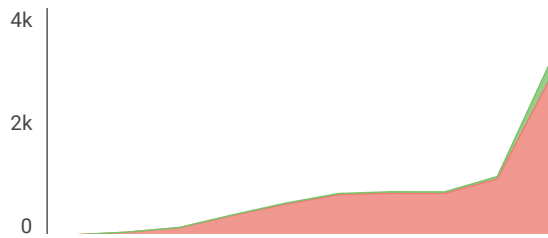
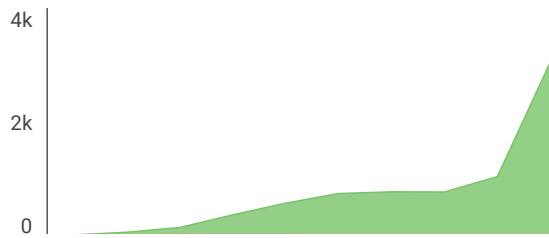


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Swimming Skill Development among Rural Children Under Limited Infrastructure: The Stakeholders' Perspectives

Orapin Laosee¹, Ratana Somrngthong²

¹ASEAN Institute for Health Development, Mahidol University, Nakorn Pathom 73170;

²College of Public Health Sciences, Chulalongkorn University, Bangkok 10330, **Thailand**

ABSTRACT

Drowning is one of the most common causes of death among young children in Thailand. Swimming skill and water safety lessons were part of the possible prevention strategies for drowning as they provide children with the required skills and knowledge to keep themselves safe. However, limited study to understand in how children in rural area develop their swimming skill. The qualitative study aims to assess the need of swimming program of primary school students in rural setting of Thailand and explore the opportunity to conduct the program for school children. Group discussion were conducted in three groups of stakeholder; primary school children, teacher, and the community leaders in northern part of Thailand. The field notes were transformed into an organized note for analysis. The findings revealed that school children described their swimming lessons as a life skill which they do not learn in school. Lack of swimming pool, water safety lessons, and instructor were found in school curriculum in primary school level. Majority of children developed their swimming skill in natural water bodies taught by peers, family members. Information gained from school teachers and community leaders indicated their willing to support swimming lessons in the community. Lack of infrastructures in the developing countries is one of the barriers to promote swimming skills among school children in rural setting. The swimming program in the community could be started in collaboration of stakeholders where available infrastructure.

Keywords: Drowning prevention, rural, school children, swimming ability

INTRODUCTION

Drowning is a leading cause of mortality worldwide. An estimated of 372 000 people died each year from drowning, making it the world's third leading unintentional injury killer. Drowning is among the 10 causes of death of children and young people globally. The majority of drowning (97%) occur in low-and middle-income countries (LMIC) and the younger than 15 years are at high risk group⁽¹⁾. Drowning is one of the most common causes of death among young children in Thailand. School-aged children are at high risk of drowning and boys are more than twice as likely as

girls to drown. Similar to LMIC drowning death occur in rural setting, natural water bodies such as ponds, ditched, lakes, rivers or the sea were found to be source of most drowning death⁽²⁾. This is generally attributed to higher exposure to aquatic environments in rural areas where majority of population lives^(1, 3).

Lack of barriers to water bodies, inadequate supervision for infants and young children, and poor swimming skill with less awareness of water danger had been identified as drowning risk in children^(1, 3-5). Previous literatures identified that adult supervision, install barriers controlling access to water, provide safe places away from water, teach school-age children swimming with water safety, strengthening public awareness are recommended as community-based action to prevent drowning⁽⁵⁻⁸⁾. A systematic review addressed that swimming and water safety lessons were part of the possible prevention strategies for drowning as they provide children with the required skills and knowledge to keep themselves safe or remove themselves from

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The Association between Short Nap and Memory Performance Using Concise Learning Method and Logical Learning Method among Private University Students in Selangor, Malaysia

Mustafa Fadil Mohammed¹, Mohammed A. Abdalqader¹, Mohammed Abdelfatah Alhoot¹, Mohanad R. Alwan¹, Mohammed FaezAbobakr¹, Asha Binti Abd. Rahman²

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ABSTRACT

In the present high-tech environment, achieving academic goals become competitive among university students. Students are afraid of failing in exams. They are awake for 16 hours or more a day without a nap. Students have programmed their mindset or believe that staying awake for long hours in a day can achieve their goals. This study analyzed the association between short nap and memory performance among private university students in Selangor, Malaysia. Five hundred respondents in two different equal groups were selected randomly to be involved in this study. Concise and logical learning methods were used to achieve the objectives. A short briefing was given to the participants before subjects start the memorizing task that consists of concise and logical learning for one hour. Then, two hundred fifty respondents (sleep group) were sent to the skill lab for nap session, and the other two hundred fifty respondents (awake group) remained in the classroom. After one hour, both groups tested on memory recall for 30 minutes. Data were analysed using one-way MANOVA which revealed a significant multivariate main effect for independent variables group Wilk's lambda =0.61, $F(12,39.00)=12.0$, $p<0.001$, partial Given the significance of the overall test, the univariate main effects for independent variables were obtained for percentage of concise learning method: $F(11,33)=11.39$, $p<0.001$, and for the logical learning method, $F(23,67)=23.62$, $p<0.001$, and for total scores $(22,19)=22.24$, $p<0.001$. Significant independent group pairwise differences were obtained in the number of 500 respondents between sleep group and awake group. Mean score number awake group were 3.95 and mean of sleep group 8.23. In conclusion, there is a significant association of memory recall test scores between student intervening short nap and student without intervening short nap using concise and logical learning method.

Keywords: *Nap, Memory Performance, Concise, Logical Learning, University Students*

INTRODUCTION

Achieving academic goals become competitive among university students and they are awake for long hours without a nap because they have programmed their mindset. Shorter sleep duration led the students to feel sleepy during the day, tired, drowsy, moody and had a

difficult time in getting up in the morning⁽¹⁾. Napping has the potential to enhance people's lives⁽²⁾. Napping helps clear out the brain's inbox and integrates information into our brain memory⁽³⁾.

Short-term or working memory doesn't need to store everything we perceive. Most information is only required for a short time and can then be discarded⁽⁴⁾. Short-term memory holds information for few seconds to a few minutes, and this kind of memory is often referred to as working memory; it allows us to understand information as we were encountering it and then discard it. This system is constantly updating, focused on data we need at that particular moment in time⁽⁵⁾.

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