

Content Validity of Online Self-report Questionnaire on Computer Work Related Exposure (OSCWE)

Kanruethai Siritworakunsuk (kanruethai.sir@student.mahidol.ac.th)¹, Keerin Mekhora (keerin.mek@mahidol.ac.th)¹, Chutima Jalayondeja (chutima.jal@mahidol.ac.th)¹ Petcharatana Bhuanantanondh (petcharatana.bhu@mahidol.ac.th)¹

¹Department of Physical Therapy, Mahidol University, Thailand, 66-2441-5450

ABSTRACT

Working on a computer for four to six hours a day can lead to high incidences of work-related musculoskeletal disorders (WMSDs). Several factors of WMSDs including personal, work characteristics, work environment and stress. Several tools have been used to investigate incidences and factors affecting WMSDs. Most tools need experienced investigators to perform data collection and they have not covered risk factors. There is an Online Self-report Questionnaire on Computer Work related Exposure (OSCWE), which can assess risk factors of WMSDs. But, its internal consistency was low in some items. This study aimed to revise the OSCWE and investigate its content validity in order to use it in more general target groups. A new version of OSCWE was developed by 3 physical therapy lecturers involving teaching of ergonomics. The steps of developing comprised of reviewing literature, revising questionnaire and investigating content validity for 2 rounds by 10 specialists in ergonomic field. The items with low internal consistency were modified and add items to identify level of physical activities and work station were included. Snowball sampling and consensus methods were used. The test was performed two rounds by selecting 5-likert score of two questions of each item in OSCWE. Those questions were "Does the item correspond with the OSCWE's objective?" and "Should this item be in questionnaire?". Descriptive analysis and Fleiss kappa were calculated for content validity in each item that correspond with the objectives and suitable to be in the new version of OSCWE. Ten specialists who validated the content had averaged years of ergonomic experience 15.3±9.04 years with ranged 5-29 years with educational qualification at doctoral degree. The new version of OSCWE was found that Kappa value of two questions in two rounds were between 0.52-0.61 when assessing all domains. The results showed moderate to substantial agreement. Moreover, Kappa values of two questions in two rounds were between 0.43-0.81 when assessing each domain. The results showed moderate to almost perfect agreement. Exceptionally, Kappa value of work environment of the second question "Should this item be in questionnaire?" of first round was 0.29 which were rated as fair agreement. The average score of each item of OSCWE was found to correspond with the objective and should be included in the questionnaire, except, the personal domain. The mode values of all items were more than and equal to 3 score which were fair to good level. To be discussed, this questionnaire was developed from the first version of OSCWE which were used in computer workers. The first version had low internal consistency of some items. While this version tried to improve validity of those items which should be more beneficial to determine factors affecting WMSDs, physical activity level, and disorders among computer users in more general population. This study found that OSCWE questionnaire was accepted for its content validity in each item of the five domains. But, some items should be improved for more acceptability level and general use.

Keywords: Computer worker, Musculoskeletal disorder, Questionnaire, Self-report, Validity

1. Introduction

As computers and technology has become a part of life. Offices and industries have a higher rate of computer use to increase production and work effectiveness (Wahlstrom, 2005). Working on a computer for four to six hours a day can lead to high incidences of work-related

musculoskeletal disorders (WMSDs) (Puig et al., 2015; Shrivastava & Bobbate, 2012). WMSDs have symptoms of pain from either degenerative change, inflammation of nerves, joints, vessels, tendons, muscles, and bones from cumulative trauma (Orbinski, Duxbury, & Conklin, 2014). Neck and back pain were reported in high prevalence of WMSDs (Griffiths et al., 2012; Jarwattanakul et al., 2008). There are several factors affecting WMSDs including

Factors Associated With Validity Of Self Report Questionnaire

M Carnoy



Factors Associated With Validity Of Self Report Questionnaire:

Uncover the mysteries within is enigmatic creation, **Factors Associated With Validity Of Self Report Questionnaire** . This downloadable ebook, shrouded in suspense, is available in a PDF format (*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

https://staging.conocer.cide.edu/results/browse/fetch.php/Indigenous_Mestizos_The_Politics_Of_Race_And_Culture_In_Cuzco_Peru_1919_1991.pdf

Table of Contents Factors Associated With Validity Of Self Report Questionnaire

1. Understanding the eBook Factors Associated With Validity Of Self Report Questionnaire
 - The Rise of Digital Reading Factors Associated With Validity Of Self Report Questionnaire
 - Advantages of eBooks Over Traditional Books
2. Identifying Factors Associated With Validity Of Self Report Questionnaire
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Factors Associated With Validity Of Self Report Questionnaire
 - User-Friendly Interface
4. Exploring eBook Recommendations from Factors Associated With Validity Of Self Report Questionnaire
 - Personalized Recommendations
 - Factors Associated With Validity Of Self Report Questionnaire User Reviews and Ratings
 - Factors Associated With Validity Of Self Report Questionnaire and Bestseller Lists
5. Accessing Factors Associated With Validity Of Self Report Questionnaire Free and Paid eBooks
 - Factors Associated With Validity Of Self Report Questionnaire Public Domain eBooks
 - Factors Associated With Validity Of Self Report Questionnaire eBook Subscription Services
 - Factors Associated With Validity Of Self Report Questionnaire Budget-Friendly Options

6. Navigating Factors Associated With Validity Of Self Report Questionnaire eBook Formats
 - ePub, PDF, MOBI, and More
 - Factors Associated With Validity Of Self Report Questionnaire Compatibility with Devices
 - Factors Associated With Validity Of Self Report Questionnaire Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Factors Associated With Validity Of Self Report Questionnaire
 - Highlighting and Note-Taking Factors Associated With Validity Of Self Report Questionnaire
 - Interactive Elements Factors Associated With Validity Of Self Report Questionnaire
8. Staying Engaged with Factors Associated With Validity Of Self Report Questionnaire
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Factors Associated With Validity Of Self Report Questionnaire
9. Balancing eBooks and Physical Books Factors Associated With Validity Of Self Report Questionnaire
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Factors Associated With Validity Of Self Report Questionnaire
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Factors Associated With Validity Of Self Report Questionnaire
 - Setting Reading Goals Factors Associated With Validity Of Self Report Questionnaire
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Factors Associated With Validity Of Self Report Questionnaire
 - Fact-Checking eBook Content of Factors Associated With Validity Of Self Report Questionnaire
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

Factors Associated With Validity Of Self Report Questionnaire Introduction

In the digital age, access to information has become easier than ever before. The ability to download Factors Associated With Validity Of Self Report Questionnaire has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Factors Associated With Validity Of Self Report Questionnaire has opened up a world of possibilities. Downloading Factors Associated With Validity Of Self Report Questionnaire provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Factors Associated With Validity Of Self Report Questionnaire has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Factors Associated With Validity Of Self Report Questionnaire. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Factors Associated With Validity Of Self Report Questionnaire. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Factors Associated With Validity Of Self Report Questionnaire, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Factors Associated With Validity Of Self Report Questionnaire has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it

is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Factors Associated With Validity Of Self Report Questionnaire Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Factors Associated With Validity Of Self Report Questionnaire is one of the best book in our library for free trial. We provide copy of Factors Associated With Validity Of Self Report Questionnaire in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Factors Associated With Validity Of Self Report Questionnaire. Where to download Factors Associated With Validity Of Self Report Questionnaire online for free? Are you looking for Factors Associated With Validity Of Self Report Questionnaire PDF? This is definitely going to save you time and cash in something you should think about.

Find Factors Associated With Validity Of Self Report Questionnaire :

indigenous mestizos the politics of race and culture in cuzco peru 1919-1991

indicio de culpa

[in too deep jennie mcgrady mysteries no 8](#)

inappropriate baby gross and embarrassing memories from babys first year

indo-aryan languages

[index to proceedings of the security council fiftyninth year2004](#)

independence additivity uncertainty

inconsiderate death

index to reproductions of american paintings

independence on trial; foreign affairs and the making of the constitution

~~individuation and narcissism the psychology of self in jung and kohut~~

incredibles the essential guide

~~index to the commemorative biographical record of the county of york ontario~~

index desmidiacearum citationibus locupletibimus atque bibliographia

index to little magazines 1966-1967

Factors Associated With Validity Of Self Report Questionnaire :

pop up peekaboo things that go peekaboo - Apr 30 2022

pop up peekaboo things that go kitabı ve fiyatı hepsiburada - Feb 09 2023

web 0 00 4 12 pop up peekaboo things that go story time with miss evelyn 1 07k subscribers subscribe 30 share 6 3k views 2 years ago dk publishing company show

pop up peekaboo things that go pop up surprise under - Feb 26 2022

pop up peekaboo things that go pop up surprise under - Sep 04 2022

web things that go pop up surprise under every flap hardcover 2 238 ratings 3 9 on goodreads 81 ratings part of pop up peekaboo 19 books see all formats and editions

pop up peekaboo things that go pop up surprise under - Mar 30 2022

pop up peekaboo things that go dk uk - Apr 11 2023

web shop pop up peekaboo things that go online at a best price in turkey get special offers deals discounts fast delivery options on international shipping with every

buy pop up peekaboo things that go online ubuy turkey - Oct 05 2022

web pop up peekaboo things that go pop up surprise under every flap sirett dawn amazon com tr kitap

pop up peekaboo things that go dk us - Jul 14 2023

web mar 5 2012 packed with bright colorful pop ups of real life vehicles hide and seek surprises and livelyrhymes this educational book shows that learning can be fun there

Factors Associated With Validity Of Self Report Questionnaire

pop up peekaboo things that go dk amazon com tr - Nov 06 2022

web this peekaboo picture book is filled with fun pop up illustrations of all sorts of vehicles that move what child doesn t love playing peekaboo your little speedster will love lifting the

pop up peekaboo things that go dk learning - Jul 02 2022

web mar 5 2012 does your child love all things that go watch as a car pops out of the garage and a boat rides the waves in this imaginative pop up book cars trucks and

pop up peekaboo things that go youtube - Aug 03 2022

web dk s pop up peekaboo series has been shortlisted for the best preschool reading range in the progressive preschool awards 2018 play hide and seek and discover lots of

pop up peekaboo things that go dk amazon co uk - May 12 2023

web pop up peekaboo things that go dk amazon com tr Çerez tercihlerinizi seçin alışveriş deneyiminizi geliştirmek hizmetlerimizi sunmak müşterilerin hizmetlerimizi

pop up peekaboo things that go penguin - Jun 13 2023

web pop up peekaboo things that go kitabı en iyi fiyatla burada tıkla pop up peekaboo things that go eserini hızlı ve kolay bir şekilde satın al

pop up peekaboo things that go by dk board - Jan 08 2023

web mar 4 2012 isbn 9780756690090 published mar 04 2012 size 210 x 210mm pages 12 16 99 buy from retailer about pop up peekaboo things that go does your child love

pop up peekaboo things that go dk ca - Dec 27 2021

pop up peekaboo things that go by d k publishing - Dec 07 2022

web mar 4 2012 series find your farmyard friends with pop up peekaboo farm search the oceans in pop up peekaboo under the sea and travel into the rainforest to find sloths

pop up peekaboo things that go dk cn - Nov 25 2021

pop up peekaboo things that go pop up surprise under - Mar 10 2023

web mar 5 2012 12 99 publication date march 5th 2012 publisher dk children isbn 9780756690090 pages 12 quantity add to wishlist available formats usually ships in 1

pop up peekaboo things that go pop up surprise - Aug 15 2023

web bold brightly coloured pictures lift the flap pages and entertaining rhymes pop up peekaboo things that go provides lots

of opportunities for parent and child interaction

pop up peekaboo things that go pop up surprise under every - Jun 01 2022

web mar 1 2012 an interactive pop up book that inspires hands on learning tactile elements and delightful imagery will encourage the development of motor skills and early

pop up peekaboo things that go fahasa com - Jan 28 2022

henry the eighth and his wives paper dolls dover r pdf - Mar 04 2022

web chagall henri matisse and pablo picasso forthcoming books rose army 2004 whitaker s cumulative book list 1981 the publishers trade list annual 1986

henry the eighth and his wives paper dolls dover - Jul 20 2023

web henry viii and his wives paper dolls by tom tierney published by dover publishing and copyrighted in 199 has 32 pages including the color dolls costumes and their

henry the eighth and his wives paper dolls dover r 2023 - May 18 2023

web find helpful customer reviews and review ratings for henry the eighth and his wives paper dolls dover royal paper dolls at amazon com read honest and unbiased

henry the eighth and his wives paper dolls dover r anne m - Jun 07 2022

web apr 4 2023 mind this one merely said the henry the eighth and his wives paper dolls dover r is universally compatible in imitation of any devices to read calendar of letters

amazon co uk customer reviews henry the eighth and his - Apr 17 2023

web henry viii and his wives paper dolls tierney tom 9780486405759 books tom tierney created over 150 paper doll books for dover publications with subjects ranging

henry the eighth and his wives paper dolls dover r download - May 06 2022

web apr 14 2023 now is henry the eighth and his wives paper dolls dover r below six the musical vocal selections 2020 06 01 vocal selections six has received rave reviews

henry the eighth and his wives paper dolls dover r - Feb 15 2023

web jan 1 1989 in fact it contains 9 paper dolls since king henry viii is shown in different ages all other queens than catherine parr have at least one extra gown there are

the six wives of henry viii tv mini series 1970 imdb - Nov 12 2022

web the wives of henry the eighth and the parts they played in history the reign of henry viii from his accession to the death of wolsey reviewed and illustrated from original

henry the eighth and his wives paper dolls dover r pdf - Oct 31 2021

henry viii and his wives paper dolls by tom tierney - Aug 09 2022

web henry the eighth and his wives paper dolls dover r right here we have countless books henry the eighth and his wives paper dolls dover r and collections to check

henry the eighth and his wives paper dolls dover r pdf - Sep 10 2022

web henry the eighth and his wives paper dolls dover r the english people at war in the age of henry viii henry viii and the men who made him the reign of henry viii from

henry the eighth and his wives paper dolls dover r - Dec 01 2021

web apr 1 2023 henry the eighth and his wives paper dolls dover r 4 8 downloaded from uniport edu ng on april 1 2023 by guest coronation and other important occasions 2

henry the eighth and his wives paper dolls dover r 2022 - Oct 11 2022

web dover royal paper dolls henry viii and his wives by tom henry the eighth and his wives paper dolls tom tierney henry viii and his wives paper dolls by tom tierney paper

henry viii dolls etsy - Dec 13 2022

web henry the eighth and his wives paper dolls dover r adventures in time the six wives of henry viii henry viii and the men who made him henry viii the children of

henry viii and his wives paper dolls to color - Jan 14 2023

web vintage 1992 henry viii his wives paper dolls to color paperback coloring book bellerophon books royal kings and queens

henry the eighth and his wives paper dolls dover r pdf - Apr 05 2022

web henry the eighth and his wives paper dolls dover r 2 6 downloaded from uniport edu ng on april 1 2023 by guest months unfortunately cromwell and another gentleman who

henry the eighth and his wives paper dolls dover r pdf - Feb 03 2022

web jul 14 2023 right here we have countless ebook henry the eighth and his wives paper dolls dover r and collections to check out we additionally have enough money variant

henry the eighth and his wives paper dolls dover r copy - Sep 29 2021

henry viii and his wives paper dolls paperback jan - Mar 16 2023

web the wives of henry the eighth and the parts they played in history may 30 2022 the eighth sin nov 11 2020 benoit a gypsy survivor of a nazi concentration camp

henry the eighth and his wives paper dolls dover r full pdf - Jan 02 2022

web apr 14 2023 merely said the henry the eighth and his wives paper dolls dover r is universally compatible afterward any devices to read henry viii and his wives paper

henry the eighth and his wives paper dolls dover r copy - Jul 08 2022

web take a look at the wives of henry viii catherine of aragon pious catholic princess and mother of mary tudor anne boley the pretty lutheran with whom henry was madly in

henry viii and his wives paper dolls dover royal - Aug 21 2023

web jan 11 1999 this collection features nine dolls one of each of the six wives plus three of the king in early middle and later years their sixteen lavish costumes include royal

henry viii and his wives paper dolls tierney dover - Jun 19 2023

web henry the eighth and his wives paper dolls dover r joint volumes of papers presented to the legislative council and legislative assembly jun 05 2020 includes

onan performer p216 manuals manualslib - Dec 26 2021

amazon com 16 hp onan engine parts - Dec 06 2022

web manual number date see table 1 models see table 1 965 0176 981 0153 purpose this supplement for the operator s manuals specified in table 1 clarifies how com

onan performer 16 xsl manual pdf forms indiraedu - Sep 03 2022

web jan 4 2011 tj thank you for the manuals i got an ok from the owner on the price of the gasket seal kit he also would like the decals on the side replaced performer 18 xsl

onan performer 18 xsl engine manual by debrawebb3500 issuu - Nov 05 2022

web onan performer 16 xsl manual onan performer 16 xsl manual 2 downloaded from forms indiraedu com on 2021 09 02 by guest policy framework this final aviation policy

onan performer p216 operator s manual - Apr 10 2023

web aug 20 2009 can anyone help me find a manual or spec sheet for an onan 16xsl gasoline eng i junst overhauled it and need the valve and timing specks or just tell

service my tractor forum - Oct 04 2022

web onan performer 18 and others free download as pdf file pdf text file txt or read online for free scribd is the world s largest social reading and publishing site

onan performer 16xsl manual fc2 - Jan 07 2023

Factors Associated With Validity Of Self Report Questionnaire

web jul 31 2017 onan performer 18 xsl engine manual tutorial free access for onan performer 18 xsl engine manual tutorial to read online or download to your computer

onan performer 18 and others pdf scribd - Aug 02 2022

web nov 18 2020 onan performer 16 xsl engine manual view and download onan p service manual online performer series p engine pdf manual download also for p p

onan performer 18 xsl help where s the model and s n - Jul 01 2022

web aug 2 2023 7 06 2009 onan generators onan performer 16 xsl onan performer 16 xsl i am also looking to find a service repair parts manual for the performer 16 xsl

onan p216g 16 0 hp 11 9 kw two cylinders engine - Mar 09 2023

web jun 20 2018 onan performer 16 xsl the following symbols are used in onan manuals this parts manual applies to the performer engine as listed in the engine data table

onan performer 16 xsl smokstak antique engine community - Feb 08 2023

web one 1 engine maintenance kit for onan models nha nhb b43 p216 p220 p224 nhc t260 p218 16 20 hp engines 4 4 out of 5 stars 151 50 bought in past month

performer series green tractor talk - Jul 13 2023

web see the operator s manual for fuel and engine oil recom mendations and the periodic maintenance schedule use only genuine onan replacement parts to ensure quality and

onan performer 16 xsl manual - Jan 27 2022

16 18 20 and 24hp onan engines green tractor talk - May 11 2023

web 16 18 20 and 24hp onan engines john deere horicon works ctm2 19apr90 litho in u s a english this component technical manual ctm contains necessary

onan performer 20 xsl parts manual australia guid step by step - Apr 29 2022

web onan performer 16 xsl manual 3 3 issues 13 19 of the dark horse comics series conan the avenger steve jobs springer science business media draws on more than forty

onan performer 16 xsl manual old cosmc org - Feb 25 2022

web manuals and user guides for onan performer p216 we have 2 onan performer p216 manuals available for free pdf download service manual operator s manual onan

needing a onan performer 16xsl engine manual miller welding - Jun 12 2023

web jul 2 2012 here is a link to the cummins onan site the service manual parts list for yours should be available for pdf

download but that sub link is down for maint today

the part numbers in this manual are oem onan numbers case - Aug 14 2023

web the following symbols are used in onan manuals this parts manual applies to the standard performer horizontal engine as listed in the engine data table parts are

onan performer 16 xsl engine manual download or read online - May 31 2022

web bigiron online auctions held every wednesday of each week

onan performer 16xsl gas engine youtube - Mar 29 2022

web onan performer 16 xsl manual collection more 4 865 items pauline 21 apr email dmca policy 26 178 views home search winsite browse winsite