Workplace incivility, work engagement, and turnover intentions: Multi-group analysis

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Abstract: The purpose of this study is to examine workplace incivility in work engagement and employee turnover intention in the workplace in Indonesia. In addition, this study also examines the differences in intensity of these relationships by gender. In total, 644 employees from various business industries in Indonesia completed a quantitative survey relating to their perceptions of workplace incivility, work engagement, and turnover intention. Data were analyzed with partial least square multi-group analysis technique (PLS-MGA). The results show that workplace incivility has a negative effect on work engagement, and a positive effect on turnover intention, and the intensity of these relationships differ by gender. Work engagement has been shown to have a negative effect on turnover intentions and to play a mediating role in workplace incivility and turnover intention relationship.

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PUBLIC INTEREST STATEMENT
In the last two decades, incivility in the workplace has become one of the issues that has attracted the attention of organization researchers and practitioners. Various empirical studies have been conducted to identify and explain the causes and consequences of incivility for individuals and organizations. However, previous studies conducted in Europe, the US, and Asian countries almost entirely found different forms of incivility in the workplace, due to differences in values or norms of politeness in different regions. Responding to this issue, the present research expands the study of workplace incivility in the context of Indonesian culture and clarifies the difference from previous researches on the role of gender on the impact of workplace incivility on work engagement and turnover intention.
Relevant recommendations are presented to HR managers and practitioners to prevent unethical practices in organizations and encourage communication and interaction by promoting civil behavior in the workplace.

Subjects: Work & Organizational Psychology; Human Resource Management; Organizational Studies; Cultural Studies

Keywords: workplace incivility; work engagement; turnover intention; gender; paper type research paper

1. Introduction

In the last two decades, workplace incivility has received the attention of organization researchers and practitioners. Various empirical studies have been conducted to identify and explain the causes and consequences of incivility for individuals and organizations. Intensive researches involving large samples in Europe and America throughout 1999–2009 show that workplace incivility has become a serious concern (e.g., Cortina et al., 2001; Lewis & Malecha, 2011; C. Pearson & Porath, 2009). Almost all studies conducted in America and Europe show an increasing trend of uncivil behaviors that are accepted by employees of various sectors/industries. This condition confirms that workplace incivility is a global problem that requires immediate attention from human resource and organization professionals (Ghosh et al., 2013).

Most of the preliminary researches on workplace incivility were conducted in the United States, and later developed in Australia (Birks et al., 2017; Loh & Loi, 2018; Warme et al., 2016) and Canada (Smith et al., 2010). In Asia, there were several large-scale studies such as in China (Chen et al., 2018; Ma et al., 2018; Shi et al., 2018; Zhou et al., 2015), Korea (Hyun et al., 2018; Son & Jang, 2017); India (Sharma & Singh, 2016); Philippines (Bulloch, 2017), Singapore (Ho & Tan, 2018; Loh, 2015; Torres et al., 2017), and Malaysia (Arshad & Ismail, 2018; Dahri & Ab Hamid, 2018; Koon & Pun, 2018; Lim, 2016). Nearly all studies have found different forms of workplace incivility because there are differences in values or norms of politeness in different regions. This makes incivility not have a general form that can be accepted by all research, and thus, the issue of workplace incivility still leaves a gap to be explored in the context of cross-cultural research. In Asia, Yeung and Griffin (2008) found that 77% of respondents surveyed from various organizations in China, Hong Kong, India, Japan, Singapore, and Korea reported to have received disrespectful behavior from their coworkers or superiors at least once a year. The attention of researchers and practitioners on workplace incivility is reflected in various studies in numerous countries. They involve almost all types of work which show that workplace incivility continues to increase significantly and is increasingly worrying.

Researchers in the field of organizational behavior and management direct the impact of workplace incivility on various negative employee behaviors such as withdrawal (Lim et al., 2008; C. Pearson & Porath, 2009); abuse, production deviation, sabotage, theft, and withdrawal (Bibi et al., 2013); absenteeism, higher levels of sadness, anger, and fear at work (Porath & Pearson, 2012), work dissatisfaction, and fatigue (Kim et al., 2013; Rahim & Cosby, 2016; Welbourne et al., 2016), higher stress level (Beattie & Griffin, 2014), and reduced creativity (Porath & Enez, 2009), retention (Lim et al., 2008). Workplace incivility is also directly related to productivity (Lewis & Malecha, 2011; Rahim & Cosby, 2016), turnover intention (Cortina et al., 2013; Rahim & Cosby, 2016; Sharma & Singh, 2016) and work engagement (Beattie & Griffin, 2014; Reio & Sanders-Reio, 2011; Yeung & Griffin, 2008). An experimental study conducted by Foulk et al. (2016) concludes that incivility behavior can spread within an organization like the flu. This condition is referred to by Andersson and Pearson (1999) as spiral incivility, where incivility victims will retaliate and cause aggressive behavior, although a recent study by Vahle-Hinz et al. (2019) fails to prove the effect of the spiral.
This study makes a number of contributions to the literature of workplace incivility, work engagement, and turnover intention. First, the proposed models test the interrelation of workplace incivility, work engagement, and turnover intention that were previously tested separately, such as the relationship between workplace incivility and work engagement (Beattie & Griffin, 2014; Reio & Sanders-Reio, 2011; Yeung & Griffin, 2008) and turnover intention (Cortina et al., 2013; Rahim & Cosby, 2016; Sharma & Singh, 2016). Second, work engagement in various studies has a mediating role in relation to various intention-turnover antecedents (e.g., Agarwal & Gupta, 2018; Memon et al., 2016), but no one has tested the mediating role of work engagement in the workplace incivility-turnover intention relationship. Thus, this study is directed to expand previous researches by examining the role of work engagement as a mediator of workplace incivility-turnover intention relationship. Third, this research develops a multi-group model of analysis by considering the factor of gender (e.g., Cortina et al., 2013; Hendryadi & Zannati, 2018; Sliter et al., 2012). The gender was found to be inconsistently affecting perceptions of workplace incivility. Therefore, this study is present to close that gap.

The first objective of the present study is to investigate the relationship between workplace incivility, work engagement, and turnover intention. More specifically, this study examined the direct and indirect relationship of workplace incivility to turnover through work engagement. The second objective of the study is to expand the area of workplace incivility, work engagement, and turnover intention, as well as gender-diversity and gender equality research in the context of work environment in Indonesia. This information will provide better insights for managers and organizations on the more effective ways to manage communication patterns and interactions within organizations, especially in Indonesia. This is followed by the next section that focuses on the literature review and the research hypotheses, methodology, including research design, sampling procedures, measurement and analysis techniques. The next section deals with the results and discussion. An understanding of this form of incivility behavior can help companies to develop policies and rules related to communication patterns and interactions in order to create a more effective work environment. The paper concludes with the practical and theoretical implications of the findings and significance of the study about Indonesian organizations.

2. Theoretical background and hypotheses

2.1. Workplace incivility

Empirical studies of workplace incivility are undeniably most influenced by Andersson and Pearson (1999, p. 457) who provide the definition of workplace incivility as “low-intensity behavior with ambiguous intent to harm the target, which violates workplace norms for mutual respect; rude, showing a lack of respect towards others.” Spiral theory was then developed by Andersson and Pearson (1999) to explain how the chain effect of workplace incivility. Spiral phenomenon starts at the starting point where incivility behavior is expressed as uncivilized behavior by individuals, violates norms, or as a form of behavior that is unacceptable to victims (Andersson & Pearson, 1999). This situation then raises a desire to get a revenge. This desire will likely result in incivility in response to the impoliteness experienced. As the spiral continues, one or both parties tend to reach a tipping point because of anger, embarrassment, and humiliation, which can trigger intense intentional behavior such as violence or aggression. The spiral of incivility can continue until there is an agreement between the two parties to forgive each other, or one of the parties resigns. Furthermore, the primary spiral can trigger a secondary spiral. Secondary spirals are triggered by immodesty (Andersson & Pearson, 1999). For example, someone who witnesses a spiral of impoliteness tends to take similar actions; and therefore, workplace incivility then becomes increasingly widespread within the organization. Based on the spiral theory of incivility, it can be concluded that workplace incivility is a cycle that can be triggered from a small problem and then increases in intensity into rude behavior or more severe aggression in the workplace. C.M. Pearson and Porath (2005) propose that efforts to stop this spiral phenomenon can begin with building an organizational culture and climate based on mutual respect, and especially a culture that does not tolerate the behavior of impoliteness that occurs within the organization (C.M. Pearson & Porath, 2005).
Workplace incivility is a deviant behavior, verbally and non-verbally, such as a look of condescension, harsh words, impatience or a lack of respect for the dignity of others. As a result, employees who are victims of incivility have a tendency to decrease their commitment over time (Montgomery et al., 2004). Other examples of unethical behavior include not saying thank you, heeding co-workers’ suggestions, texting or sending emails during meetings, making derogatory comments, showing hostility, invasion of privacy, exclusive behavior, gossiping and ignoring or insulting coworkers (C. Pearson & Porath, 2009).

Incivility in the workplace is a part of employees’ daily behaviors in interacting with each other in an organization. The perpetrators sometimes do not realize they have conducted this behavior, such as undervaluing coworkers (for example, not saying thank you for the simple assistance provided), or asking for help in polite words to subordinates or fellow coworkers. Other examples of this behavior include actions such as using condescending language, making verbal and non-verbal threats, gossiping, ignoring coworkers’ requests, and showing disrespect for others at work (Holm et al., 2015). The hallmark of incivility is that sometimes the purpose is unclear, and is not intended to be detrimental to others. Although people sometimes behave rudely with a clear purpose to demean or insult others, at other times their disrespectful behavior can be caused by fatigue, carelessness, or indifference to local social norms. Thus, the existence of intention is unclear either from the perpetrator, the victim, or the bystander (Andersson & Pearson, 1999).

2.2. Relation of incivility to work engagement

Work engagement is relatively rarely studied in relation to workplace incivility (Beattie & Griffin, 2014). The concept of engagement refers to Kahn (1990) as psychologically present to exert physical, emotional, and cognitive energies into one’s role. In engagement, people use and express themselves physically, cognitively, and emotionally while carrying out their work (Kahn, 1990). Schaufeli et al. (2002) provides a definition of work engagement as “a positive, fulfilling, work-related state of mind that is characterized by vigor, dedication, and absorption”. Vigor refers to high energy and mental endurance at work, a willingness to invest efforts to get the job done well, and struggle and perseverance when facing difficulties. Dedication refers to a sense of significance, enthusiasm, inspiration, pride, and challenges at work. Absorption is characterized as a person who is fully concentrated and really enjoys work where time passes quickly, and has a difficulty escaping from work (Bakker & Demerouti, 2007).

Incivility at work represents normative behavior that is contrary to the norms of civility; behaving rudely and disrespectfully, and demonstrating a lack of respect for others (Andersson & Pearson, 1999; Cortina et al., 2001). Beattie and Griffin (2014) conducted an important research among security personnel working in Australia. Their results found that security personnel have higher levels of stress when they experience incivility, but high support from superiors reduced this effect. In addition, the negative effect of incivility on work engagement is only significant for those who have low self-evaluation. Empirical support for workplace incivility relationships is also evidenced in the study of Reio and Sanders-Reio (2011) whose study was on computer company employees in America, and the study of Yeung and Griffin (2008) in Asia. Thus, if work engagement can be increased through interactions in the workplace such as support from colleagues and leaders, then workplace incivility as a form of behavior that tends to be demeaning, abusive treatment from the superior or colleagues will have a negative impact on employees’ perceptions of their environment, and have implications for the low work engagement. Therefore, based on the theoretical description and empirical evidence above, the hypothesis proposed is:

H1: workplace incivility is negatively related to employee work engagement
2.3. Relation of incivility to turnover intention

Employee turnover refers to when an employee decides to leave an organization voluntarily (Shaw et al., 2005). The employee’s decision to leave the organization is very expensive for both individuals and organizations (Lee et al., 2004). Three basic components are generally considered when calculating employee turnover costs, including recruitment costs, replacement costs, and training costs (Cascio, 2000). Researchers have found workplace incivility is negatively related to productivity and job satisfaction, and positively related to absenteeism, tardiness, and desire to resign (Lim et al., 2008; Rahim & Cosby, 2016). Various studies provide important notes about the effects of incivility in the workplace on turnover intentions (Cortina et al., 2013; Rahim & Cosby, 2016; Sharma & Singh, 2016). From their study on business administration students in the United States, Rahim and Cosby (2016) found that workplace incivility is positively related to the intention to resign. In various sectors, Sharma and Singh (2016) and Cortina et al. (2013) found that workplace incivility can increase the level of intention to resign. The studies of Hendryadi and Zannati (2018) provide preliminary empirical evidence regarding the link between workplace incivility and employee turnover intention in Indonesia. Both studies found a positive effect of workplace incivility on employee turnover intention. Disrespectful behavior occurs in general and in many organizations, and organizations often do not understand their harmful effects, and most managers are not prepared to deal with it. Due to their experience as victim of workplace incivility, employees tend to reduce work effort, time on the job, and job performance. (C. M. Pearson & Porath, 2005; Rahim & Cosby, 2016). That is, the higher the employee’s perception of incivility in their workplace, the intention to leave or find a new job is higher. Therefore, based on the abovementioned researches, the second hypothesis is proposed:

H2: workplace incivility is positively related to turnover intention

2.4. Relation of work engagement to turnover intention

In the view of the Job Demands-Resources model (J D-R Model), the main contributors to work engagement come from two factors: job demand and job and personal resources. Job resources such as social support (both from colleagues and superiors), performance feedback, skills variation, autonomy, and learning opportunities have positive implications for work engagement (Bakker & Demerouti, 2007). That is, employees who receive more work resources (for example, the support of colleagues and superiors) then the tendency to have a sense of attachment is higher. Second, personal resources are positive self-evaluations related to resilience and refer to individual feelings about their ability to control the environment (Hobfoll, 2002). Personal resources can be in the form of self-efficacy, optimism, self-esteem, endurance, and so on (Bakker & Demerouti, 2007). Job demands refer to aspects of work that require ongoing physical and/or psychological effort and are therefore associated with certain physiological and/or psychological costs (Hakanen et al., 2008). In the J D-R Model, job demands act to moderate the relationship between job resources and personal resources to work engagement. Job demands can be in the form of work, mental, emotional, and physical demands. The main effect of work engagement in the J D-R model is employee performance, both in the form of role performance, extra role performance, creativity, and in terms of the company’s financial performance (Bakker & Demerouti, 2007).

Several recent studies have found that work engagement has a negative effect on turnover intention (Agarwal & Gupta, 2018; Babakus et al., 2017; Caesens et al., 2016; Lu et al., 2016; Memon et al., 2015, 2016; De Simone et al., 2018). Using data from employees and supervisors in 29 hotels in North America, Rahim and Cosby (2016) found that supervisor level employees had significantly higher work engagement and lower turnover intentions than line level employees. Caesens et al. (2016) conducted a study on 647 employees in Belgium and found that the relationship between work engagement and employee turnover intention was curvilinear. Curvilinear relationship is a form of relationship between two variables where one variable increases followed by another variable, but this increase only occurs at a certain point. (like an inverted U curve). Another form of curvilinear relationship is when one variable increases, and the other decreases to a certain
point, and after that the two variables increase together (forming a U curve). Work engagement also has direct and indirect effects with turnover intention (De Simone et al., 2018).

Besides having a direct effect on turnover intention, work engagement in various studies has a mediating role (e.g., Agarwal et al., 2012; Agarwal & Gupta, 2018; Gupta & Shaheen, 2017a, 2017b; Memon et al., 2016). Agarwal et al. (2012) prove that work engagement is negatively correlated with turnover intention, and mediate the relationship between LMX and turnover intention. In another research, Agarwal and Gupta (2018) proved work engagement as a mediator for the relationship between job characteristics and turnover intention. The mediating role of work engagement on the relationship between psychological capital and turnover intention was supported by Gupta and Shaheen (2017a) and the moderating role of personal resources in the relationship between work engagement and turnover intention (Gupta & Shaheen, 2017b). Memon et al. (2016) found that work engagement has a negative relationship with turnover intention, and work engagement also mediates the relationship of job satisfaction with turnover intention. Based on the empirical evidence, this study argues that the relationship model between workplace incivility and turnover intention can be mediated by work engagement in line with support for workplace incivility—work engagement relationship (Gupta & Shaheen, 2017a; Reio & Sanders-Reio, 2011; Yeung & Griffin, 2008) and the relationship work engagement—turnover intention (Agarwal & Gupta, 2018; Babakus et al., 2017; Caesens et al., 2016; De Simone et al., 2018; Lu et al., 2016; Memon, 2016). Thus, the hypothesis proposed is:

H3: work engagement is negatively related to turnover intention

H4: work engagement mediates the relationship between workplace incivility and turnover intention

Demographics are the characteristics of employees that distinguish them from other employees. Demographic elements can be in the form of age, gender, education, years of service, and other social factors. A number of researchers have theorized that categorizing by gender can be offensive. Women are more likely to be targets of disrespectful behavior at work than men (Cortina et al., 2013; Welbourne et al., 2016). According to this idea, women are considered more sensitive to social behavior than men. The consequence is that they are more likely to face interpersonal problems, such as workplace incivility, than men.

Cortina (2008) suggests that disrespectful behavior may be targeted more often at women and ethnic minorities (in the American context). This theory is supported by research findings that assert that women experience more incivility in the form of harassment at work than men (C.M. Pearson & Porath, 2005; Cortina et al., 2001; Lim et al., 2008). Reio and Sanders-Reio (2011) found that women experience more incivility from their coworkers and men experience more incivility from their superiors. However, the majority of studies comparing men and women show that incivility generally has the same negative effect on women and men (Cortina et al., 2001; Lim et al., 2008). More recent research found that 65 percent of women compared to 47 percent of men experienced “general incivility” in their workplaces (Cortina et al., 2013).

Based on the various empirical evidence, there are two important things to note, first, immoral behavior in the form of harassment is more likely to be accepted by women from their coworkers (C.M. Pearson & Porath, 2005; Reio & Sanders-Reio, 2011); and younger in age (Lim & Lee, 2011). Second, the difference in results can be explained based on the assumptions put forward by Rousseau et al. (2008) that national culture tends to influence social values, and how individuals perceive and respond to workplace incivility. For example, it is possible for employees who work in countries with high power distance cultural values (such as Indonesia and Japan) to tend to regard neglect by their superiors as a reasonable behavior, rather than employees who work in countries with lower power distance (like America and Europe). Thus, this study considers that gender is likely to only have an impact and strength in the relationship between workplace incivility and work engagement and turnover intention.
3. Methodology

3.1. Sample procedure
The research sample was taken from 12 companies from various business sectors in Jakarta, Indonesia. A total of 644 respondents were involved in completing the questionnaire in 2019. A total of 52.48% of the respondents were male, and the majority (69%) had a senior high school education. The majority of respondents (64.13%) are still single. Most of the respondents are aged 21–25 (45.50%).

3.2. Measurements
Workplace incivility was adapted from a seven-item scale developed by Cortina et al. (2001) to measure the extent to which employees experienced incivility at work in the past year. Items are rated on a five-point Likert scale (never = 1, rarely = 2, sometimes = 3, often = 4, most of the time = 5). Example of the item: “How often in the past year have you received ……..”. This scale was tested and has a Cronbach α internal consistency of 0.87 (Chen et al., 2013); and 0.89 (Rahim & Cosby, 2016). In this study, internal consistency was obtained at 0.87.

3.3. Work engagement
Work engagement is measured on a short Utrecht Work Engagement Scale (UWES-9) developed by Schaufeli et al. (2006). UWES includes three subscales that reflect the basic dimensions of attachment, including: vigor (three items; for example, “I feel enthusiastic about going to work”), dedication (three items; for example, “I want to know about the results of my work”), and absorption (three items; for example, “time goes by so fast while working”). Each item is rated on a five-point Likert scale from 0 (“never”) to 4 (“always”). The Cronbach Alpha coefficient of 0.76 in this study that met internal consistency requirements.

3.4. Turnover intention
Three items of the turnover intention subscale from the Michigan Organizational Assessment Scale (Seashore et al., 1982) were used to measure respondents’ turnover intentions. Example items for this scale are, “I am actively looking for a new job,” and “I often think of quitting”. Responses ranged from 1 (strongly disagree) to 5 (strongly agree). The possible range of scores is 3 to 15. A higher score on the scale indicates a higher level of intention to stop. This scale has been shown to have adequate reliability and validity (α = 0.91, Karim et al., 2015). In this study, the value of Cronbach Alpha was 0.80.

3.5. Technique of data analysis
The first part of this analysis is designed to examine the psychometric measures of incivility, work engagement, and turnover intentions. The second part of the analysis is designed to test the hypothesis. Partial least square structural equation modeling (PLS-SEM) with a multi-group analysis (MGA) approach is used to test the model. Data analysis was performed using SmartPLS 3.0 software (Hair et al., 2012)

3.6. Common method biases
Before further statistical analysis is performed, the common method variance (CMV) is examined first. CMV identifies false correlations that usually occur in cross-sectional data collection methods (e.g., surveys conducted at the same time) are used to measure variables (Tehseen et al., 2017). In this study, CMV was assessed using the Harman single factor test with the principal component analysis (PCA) approach (Podsakoff et al., 2003). The CMV test results show that there is no single dominant factor in the three constructs which explains more than 50 percent of the total variance. Thus, it can be stated that CMV is not a serious problem in this study.
4. Results and discussion

4.1. Descriptive analysis

The first analysis begins with descriptive statistics that show the means and standard deviations for the study variables (Table 1).

Table 1. Descriptive statistics

| Gender          | N  | Mean | SD  | Sig (independent t-test) |
|-----------------|----|------|-----|-------------------------|
| Workplace incivility |    |      |     |                         |
| Male            | 338| 1.89 | .78 | 0.095                   |
| Female          | 306| 1.79 | .72 |                         |
| Work Engagement |    |      |     |                         |
| Male            | 338| 3.65 | .61 | 0.208                   |
| Female          | 306| 3.71 | .54 |                         |
| Turnover intention |   |      |     |                         |
| Male            | 338| 2.39 | 1.03| 0.292                   |
| Female          | 306| 2.47 | 1.04|                         |

Note: WIC = workplace incivility, WE = work engagement; TI = turnover intention.

4.2. Structural equations model

This study uses a one-stage measurement model and the explanation of the results adopts the recommendations of Henseler et al. (2016), Hair et al. (2012, 2014). The first stage of testing is to evaluate the measurement model (outer model) to test the validity and reliability of the extract, and then to evaluate the significance of the parameters (inner model) to prove the relationship between constructs.

4.2.1. Measurement model evaluation (outer model)

Evaluation of the measurement model is carried out to check internal consistency and construct validity (convergent validity and discriminatory validity) as determined by Hair et al. (2014). In the first stage, internal consistency is evaluated using the Cronbach α coefficient and construct reliability (CR). The results of the analysis show that all latent constructs meet the requirements for internal consistency, namely CA > 0.70 (WI = 0.88; WE = 0.75; TI = 0.80). Next is evaluating the reliability of the composite (CR) and giving results in line with CA, where the CR is entirely above 0.70 (WI = 0.91; WE = 0.86; TI = 0.88). It can be concluded that the measurement model has met all the reliability requirements as recommended by Hair et al. (2014) and Chin (2010).

Construct validity is to check convergent validity and discriminant validity. Convergent validity is assessed through loading factor (λ) and average variance extracted (AVE). Fornell and Larcker (1981) recommend that the cut-off value for AVE is 0.50, and the loading factor is above 0.70. As shown in Table 2, all loading factors > 0.70 and all AVE greater than 0.50, and the results can be considered satisfactory (Hair et al., 2012).

Discriminant validity checks the extent to which a construct is different from other constructs. The parameter recommended by Fornell-Larcker (in Hair et al., 2012) is comparing AVE with correlations.
between latent variables. The measurement model is stated to have good discriminant validity if the correlation between latent variables is lower than the square of AVE. As shown in Table 3, the AVE squared for all latent variables is greater than the correlation between variables. Thus, it can be concluded that the scale used in this study has sufficient construct validity.

4.2.2. Structural model testing (Inner model)
After evaluating the measurement model, the next step is to evaluate the structural model. Criteria for evaluating structural models as suggested by Hair et al. (2014). They consist of R², f² and Q². Next is to examine the path coefficient, and the significance of the path. R² dependent variable explains the amount of variance explained by the model that represents the relevant predictive value with the cut-off value as follows: R² values of 0.75, 0.50, or 0.25 can be categorized as strong, moderate and weak (Hair et al., 2011). The value of R² obtained for this model shows that both variables (work engagement and turnover intention) have weak predictive power (R² = 0.06 and R² = 0.18 for each latent endogenous variable).

In addition to evaluating the R² values of all endogenous constructs, changes in the R² value when certain exogenous constructs are eliminated from the model can be used to evaluate whether if any constructs are removed it can have a substantive impact on endogenous constructs. This measurement is called f² effect size (Hair et al., 2012). The guidelines for assessing f² are the values of 0.02 (small effect), 0.15 (moderate), and 0.35 (large) (Cohen, 1988; Hair et al.,

| Indicator                  | Loading | std.dev | Cronbach's α | CR | AVE |
|----------------------------|---------|---------|--------------|----|-----|
| Workplace incivility (WI)  |         |         | 0.88         | 0.91| 0.58|
| WIC1                       | 0.75    | 0.02    |              |    |     |
| WIC2                       | 0.75    | 0.02    |              |    |     |
| WIC3                       | 0.77    | 0.02    |              |    |     |
| WIC4                       | 0.80    | 0.02    |              |    |     |
| WIC5                       | 0.78    | 0.02    |              |    |     |
| WIC6                       | 0.76    | 0.02    |              |    |     |
| WIC7                       | 0.70    | 0.02    |              |    |     |
| Work Engagement (WE)       |         |         | 0.75         | 0.86| 0.67|
| VIG                        | 0.82    | 0.02    |              |    |     |
| DED                        | 0.82    | 0.03    |              |    |     |
| ABS                        | 0.81    | 0.03    |              |    |     |
| Turnover intention (TI)    |         |         | 0.80         | 0.88| 0.72|
| TI1                        | 0.82    | 0.02    |              |    |     |
| TI2                        | 0.86    | 0.01    |              |    |     |
| TI3                        | 0.86    | 0.01    |              |    |     |

Table 3. Disciminant validity: Fornell-Larcker Criterion

| Indicator                  | Incivility | Self Efficacy | Turnover |
|----------------------------|------------|---------------|----------|
| Workplace incivility (WI)  | 0.76       |               |          |
| Work Engagement (WE)       | −0.24      | 0.82          |          |
| Turnover intention (TI)    | 0.38       | −0.28         | 0.85     |

Note: The square root of the AVEs are in italic and bold.
The analysis showed the value of $f^2 = 0.06$ (WI → WE); $0.04$ (WE → TI); $0.06$ (WI → WE); and $0.13$ (WI → TI). The effect size values range between 0.06–0.13 and are in the weak category.

The next evaluation model is to use blindfolding to validate the crossing of each construct. Stone-Geisser's $Q^2$ value which is greater than zero indicates that the exogenous constructs have predictive relevance for endogenous constructs (Hair et al., 2011). The results showed that the $Q^2$ value for work engagement was 0.07, and the turnover intention was 0.18. These results indicate that workplace incivility has weak predictive relevance for work engagement, but is good enough for turnover intention.

Finally, to test the suitability of the theoretical model, a conservative parameter of the SRMR value is used, i.e. if the SRMR value is less than 0.08, it indicates good fit (Hair et al., 2011). SRMR value based on the analysis results obtained is 0.06 (<0.08). It can be stated that for theoretical testing, the results of this analysis are good enough.

### 4.3. Multi-group analysis

In the next step, bootstrap analysis is used to assess the significance of the path coefficient. The minimum number of bootstrap samples is 5,000 as recommended by Hair et al. (2014). To conduct group comparisons, the structural model uses a multi-group approach (PLS MGA). Table 4 displays the p-value and confidence intervals obtained for each path coefficient.

As indicated in Table 4 and Figure 1, work incivility explains a significant relationship in work engagement ($\beta = -0.24$, p-value < 0.01) for all groups; $\beta = -0.19$, p-value < 0.01 for male group and $\beta = -0.29$, p-value < 0.01 for female group. There was also a significant relationship between work incivility and turnover intention: $\beta = 0.34$, p-value < 0.01 (for all groups). Work engagement is also proven to have a significant relationship with turnover intention turnover intention: $\beta = -0.20$, p-value < 0.01 (for all groups); $\beta = -0.25$, p-value < 0.01 (for male group); and $\beta = -0.15$, p-value < 0.05 (for female group). Lastly, the relationship between workplace incivility—turnover intention is proven to be mediated by work engagement ($\beta = -0.05$, p-value < 0.01).

### Table 4. Path coefficient results

| Path          | Groups N = 644 | Male N = 338 | Female N = 306 |
|---------------|---------------|-------------|---------------|
| WI -> WE      | $-0.24^{**}$  | $-0.19^{**}$ | $-0.29^{**}$  |
| WI -> TI      | $0.34^{**}$   | $0.34^{**}$  | $0.34^{**}$   |
| WE -> TI      | $-0.20^{**}$  | $-0.25^{**}$ | $-0.15^{*}$   |
| WI -> WE -> TI| $0.05^{**}$   | -            | -             |

Notes: * $p < 0.05$; ** $p < 0.01$, group 1 = the entire group, group 2 = male; group 3 = women.
4.4. Discussion
This article empirically examines the relationship between workplace incivility (WI), work engagement (WE), and turnover intention (IT) in Indonesian business sector organizations. Table 4 presents the results of the structural model analysis. Based on the results of the analysis, it can be stated that WI has a negative relationship with WE (coefficient = −0.24, p-value 0.00), so H1 is supported. This shows that when employees feel a high level of incivility, it can lower their level of work engagement. This finding reinforces the results of a previous study conducted by Beattie and Griffin (2014), Reio and Sanders-Reio (2011), and Yeung and Griffin (2008). Workplace incivility is a contradictory form of good social relations within an organization, and can have implications for the low level of work engagement. The results of the analysis further showed that the relationship between workplace incivility and work engagement was significant for the two groups, both for men and women. Path coefficient values −0.19 (men) and −0.29 (women) show that women have a greater tendency to lessen their work engagement than men if exposed to disrespectful behavior in the workplace.

The next hypothesis shows that workplace incivility plays an important role in predicting employee turnover intention. The path coefficient value is significant and positive between WI and TI (coefficient = 0.34, p-value 0.00) so that H2 is supported. These results reinforce previous empirical evidence (Hendryadi & Zannati, 2018; Rahim & Cosby, 2016; Sharma & Singh, 2016). That is, the higher the employee’s perception of incivility in their workplace, the intention to leave or find a new job is higher. Therefore, based on the abovementioned researches, the second hypothesis is proposed: Multi-group analysis shows that both men and women have an equal response related to turnover intention (coefficient of 0.34 for the whole group). The results of this study differ from that of Hendryadi and Zannati (2018) that found the effect of workplace incivility on turnover intention was greater in the male group than in the female; and does not support differences in receiving incivility between men and women (Cortina, 2008; Welbourne et al., 2016). It can be said that workplace incivility can increase the intention to find another job among employees. When this intention increases, employees will have the intention to consider quitting their jobs. This effect generally applies to men and women, and there is no difference between men and women in responding to workplace incivility for turnover. Thus, both men and women who have experience workplace incivility have the same tendency to leave their organizations. This result shows the positive effects of working in a social work environment where employees treat one another with respect and refrain from disrespectful behavior in their daily work.

Finally, the analysis found that WE negatively predicted turnover intention (coefficient = −0.20, p-value 0.00), so that H3 was supported. These results are consistent with previous empirical evidence (e.g., Agarwal & Gupta, 2018; Babakus et al., 2017; Coensens et al., 2016; De Simone et al., 2018; Lu et al., 2016; Memon, 2016). Based on the results of the multi-group analysis obtained, interesting results are shown where the relationship of work engagement with turnover intention is greater in the male group (coefficient of −0.25) compared to the group of women (−0.15). It means that men have more tendency to consider leaving the job than women. Besides having a direct effect on turnover intention, work engagement in this study was proven to mediate the relationship of workplace incivility and turnover intention (coefficient 0.05, p-value 0.00). This finding is the first test on the indirect relationship of workplace incivility to turnover intention by placing work engagement as a mediator, so that it has a theoretical contribution to the impact of workplace incivility on turnover intention.

5. Conclusions

5.1. The summary of the results
The relationship between workplace incivility, work engagement, and turnover intention has been proven by various previous studies in cross-cultural contexts. This study not only focuses on investigating the direct effect of workplace incivility on turnover intention, but also examines the role of work engagement as a mediator using multi-group design by placing gender as a distinguishing factor
between variables. The results show that workplace incivility has a negative effect on work engagement, and a positive effect on turnover intention, and the intensity of these relationships differs by gender. Work engagement has been shown to have a negative effect on turnover intentions and to play a mediating role in workplace incivility and turnover intention relationship. The subsequent sections discuss theoretical contributions, managerial implications, limitations and direction for future studies.

5.2. Theoretical contributions
This study contributes to the existing knowledge about the impact of workplace incivility on work engagement and turnover intention through several ways. First, this study has proven that workplace incivility has a negative impact on work engagement, and positively on turnover intention. In addition, the relationship of workplace incivility with turnover intention is proven through work engagement, thereby expanding previous research studies that only focus on the direct effects of workplace incivility to work engagement (Reio & Sanders-Reio, 2011; Yeung & Griffin, 2008) and the relationship between work engagement and turnover intention (Agarwal & Gupta, 2018; Babakus et al., 2017; Caens et al., 2016; De Simone et al., 2018; Lu et al., 2016; Memon, 2016). Second, the relationship of workplace incivility to work engagement and turnover intention was found to vary by gender. Specifically, this study highlights how male and female employees react when they see or experience incivility in their workplace. There are even fewer studies examining gender differences on relationship between workplace incivility and turnover intention (Cortina et al., 2001; Lim et al., 2008; C.M. Pearson & Porath, 2005; Reio & Sanders-Reio, 2011). This study supports previous researches comparing men and women showing that general disability has the same negative effect on women and men (Cortina et al., 2001; Lim et al., 2008) and found that gender played a moderating role in the relationship between workplace incivility-turnover intention, and and confirm previous empirical studies (e.g., Cortina et al., 2013; Hendryadi & Zannati, 2018; Sliter et al., 2012).

5.3. Practical implications
Based on the empirical evidence previously explained, there are several key implications for organizations to consider when creating a policy. First, managers must pay attention to workplace incivility situations to reduce employee turnover intentions, especially workplace incivility which can lead to the decrease of work engagement and the increase of turnover intentions. Our findings show that workplace incivility has a key role in reducing work engagement and increasing turnover intention. It needs to be followed up through various strategic steps from the human resource management to prevent the more worrisome effects of workplace incivility. Therefore, it is important for top management to recognize the existence of incivility in the workplace and to stop it as early as possible. For example, to foster a work environment that promotes mutual respect, organizations must encourage cultural values that explicitly prohibit all forms of disrespectful behavior among employees, and between supervisors and subordinates. Second, so that managers or supervisors have the ability to identify and improve communication patterns between employees, it is advisable to regularly attend communication and leadership training so that communication between supervisors and subordinates, and among employees can be effectively carried out.

5.4. Limitations and future research directions
There are still many limitations in this study. First, the data was collected from business sector organizations in Indonesia using convenience sampling, which can limit research generalizations. Therefore, it is recommended that future researchers replicate this research in various sectors using random sampling. Second, the majority of respondents in this study consisted of unmarried employees aged between 21–30 years, with high school education. These respondent characteristics may not represent the values and perceptions of senior employees (over 35 years). Future research is recommended to use a more varied sample by adding the percentage of employees over 35 years. Finally, the cross-sectional nature of this study has limited claims for causality. Therefore, subsequent research needs to use a longitudinal design to test changes over time which will be very valuable to test causality.
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References
Agarwal, U. A., Datta, S., Blake-Beard, S., & Bhargava, S. (2017). Linking LMX, innovative work behaviour and turnover intentions: The mediating role of work engagement. Career Development International, 17 (3), 208–230. https://doi.org/10.1108/1362043171114063
Agarwal, U. A., & Gupta, V. (2018). Relationships between job characteristics, work engagement, conscientiousness and managers’ turnover intentions: A moderated-mediation analysis. Personnel Review, 47(2), 353–377. https://doi.org/10.1108/PR-09-2016-0229
Andersson, L. M., & Pearson, C. M. (1999). Tis for tat? The spiralling effect of incivility in the workplace. Academy of Management Review, 24(3), 452–471. https://doi.org/10.5465/amr.1999.2201231
Arshad, R., & Ismail, I. R. (2018). Workplace incivility and knowledge hiding behavior: Does personality matter? Journal of Organizational Effectiveness: People and Performance, 5(3), 279–288. https://doi.org/10.1108/JOEPP-06-2018-0041
Babakus, E., Yavas, U., & Karatepe, O. M. (2017). Work engagement and turnover intentions: Correlates and customer orientation as a moderator. International Journal of Contemporary Hospitality Management, 29 (6), 1580–1598. https://doi.org/10.1108/IJCHM-11-2015-0649
Bakker, A. B., & Demerouti, E. (2007). The job demands-resources model: State of the art. Journal of Managerial Psychology, 22(3), 309–328. https://doi.org/10.1108/02683940710733115
Beattie, L., & Griffin, B. (2014). Day-level fluctuations in stress and engagement in response to workplace incivility: A diary study. Work and Stress, 28(2), 124–142. https://doi.org/10.1080/02678373.2014.898712.

Bibi, Z., Karim, J., & Din, S. (2013). Workplace incivility and counterproductive work behavior: Moderating role of emotional intelligence. Pakistan Journal of Psychological Research, 28(2), 317–334. Retrieved from http://www.pjprimip.edu.pk/pjpr/index.php/pjpr/article/view/309
Birks, M., Cant, R. P., Budden, L. M., Russell-Westhead, M., Öçgetin, Y. S. U., & Tee, S. (2017). Uncovering degrees of workplace bullying: A comparison of baccalaureate nursing students’ experiences during clinical placement in Australia and the UK. Nurse Education in Practice, 25, 14–21. https://doi.org/10.1016/j.nepr.2017.04.011
Bulloch, H. (2017). Ambivalent moralities of cooperation and corruption: Local explanations for (under)development on a Philippine island. The Australian Journal of Anthropology, 28(1), 56–71. https://doi.org/10.1111/taaj.12173
Cascio, W. F. (2000). Costing human resources: The financial impact of behavior in organizations (4th ed.). PWS-Kent Publishing.
Chen, Y., Ferris, D. L., Yen, K. H., Yang, M., Zhou, M., & Hong, Y. (2013). Self-love’s lost labor: A self-enhancement model of workplace incivility. Academy of Management Journal, 56(4), 1199–1219. https://doi.org/10.5465/amj.2010.0906
Chen, Y., Wang, Z., Peng, Y., Geimer, J., Sharp, D., & Jex, S. (2018). The multidimensionality of workplace incivility: Cross-cultural evidence. International Journal of Stress Management, 26(4), 356–366. https://doi.org/10.1037/str0000116
Chin, W. W. (2010). How to write up and report PLS analyses. In V. V. Esposito, W. W. Chin, J. Henseler, & H. Wang (Eds.), Handbook of partial least squares: Concepts, methods and applications in marketing and related fields (pp. 655–690). Springer.
Cohen, J. (1988). Statistical power analysis for the behavioral sciences. Hillsdale, N.J. Lawrence Erlbaum.
Cortina, L. M. (2008). Unseen justice: Incivility as modern discrimination in organizations. Academy of Management Review, 33(1), 55–75. https://doi.org/10.5465/AMR.2008.27745097
Cortina, L. M., Kabat-Farr, D., Leskinen, E. A., Huerta, M., & Magley, V. J. (2013). Selective incivility as modern discrimination in organizations: Evidence and impact. Journal of Management, 39(6), 1579–1605. https://doi.org/10.1177/1069177813518835
Cortina, L. M., & Magley, V. J. (2009). Patterns and profiles of response to incivility in the workplace. Journal of Occupational Health Psychology, 14(3), 272. https://doi.org/10.1037/a0014934
Cortina, L. M., Magley, V. J., Williams, J. H., & Langhout, R. D. (2001). Incivility in the workplace: Incidence and impact. Journal of Occupational Health Psychology, 6(1), 64–80. https://doi.org/10.1037/1076-8998.6.1.64
Dahri, A. S., & Ab Hamid, K. (2018). Effect of workplace incivility on job satisfaction among nurses: Mediating role of emotional exhaustion. The Journal of Social Sciences Research, 80–90. Retrieved from https://ideas.repec.org/a/arp/jssrr/2018p80-90.html
De Simone, S., Planta, A., & Cicotto, G. (2018). The role of job satisfaction, work engagement, self-efficacy and agentic capacities on nurses’ turnover intention and patient satisfaction. Applied Nursing Research, 39, 130–140. https://doi.org/10.1016/j.apnr.2017.11.004
incivility and negative outcomes. BioMed Research International, 11(1), 1–10. https://doi.org/10.1155/2015/920239
Hyun, M. S., De Gagne, J. C., Park, J., & Kang, H. S. (2018). Incivility experiences of nursing students in South Korea. Nursing Ethics, 25(2), 186–198. https://doi.org/10.1177/0969733016684546
Kahn, W. A. (1990). Psychological conditions of personal engagement and disengagement at work. Academy of Management Journal, 33, 692–724. https://doi.org/10.5465/256287.
Karim, J., Bibi, Z., Rehman, S. U., & Khan, M. S. (2015). Emotional intelligence and perceived work-related outcomes: Mediating role of workplace incivility victimization. Pakistan Journal of Psychological Sciences, 22(1), 1. Retrieved from http://www.pjps.org.pk/index.php/article/view/329
Kim, S. Y., Kwon, J. K., & Park, K. O. (2013). Path analysis for workplace incivility, empowerment, burnout, and organizational commitment of hospital nurses. Journal of Korean Academy of Nursing Administration, 19(5), 555–566. https://doi.org/10.1111/jkana.2013.19.5.555
Koon, V. F., & Pun, P. Y. (2018). The mediating role of emotional exhaustion and job satisfaction on the relationship between job demands and instigated workplace incivility. The Journal of Applied Behavioral Science, 54(2), 187–207. https://doi.org/10.1177/0022243717749163
Lee, T., Mitchell, T., Sablinski, C., Burton, J., & Holtom, B. (2004). The effects of job embeddedness on organizational citizenship, job performance, volitional absences, and voluntary turnover. Academy of Management Journal, 47, 711–722. https://doi.org/10.5465/20159613.
Lewis, P. S., & Malecha, A. (2011). The impact of workplace incivility on the work environment, manager skill, and productivity. Journal of Nursing Administration, 41(1), 41–47. https://doi.org/10.1097/NNA.0b013e318200204c
Lim, H. L. (2016). Role stressors, injustice and workplace incivility in banking sector: Mediating effect of negative emotion and moderating effect of self-monitoring [Doctoral dissertation, Universiti Utara Malaysia].
Lim, S., Cortina, L. M., & Magley, V. J. (2008). Personal and workplace incivility: Impact on work and health outcomes. Journal of Applied Psychology, 93(1), 19–24. https://doi.org/10.1037/0021-9010.93.1.19
Lim, S., & Lee, A. (2011). Work and nonwork outcomes of workplace incivility: Does family support help? Journal of Occupational Health Psychology, 16(1), 95–111. https://doi.org/10.1037/a0021726
Loh, J. M. (2015). Merlion: The influence of Singapore’s cosmopolitan culture on workplace incivility. In M. Omari, M. Paull (Eds.), Workplace abuse, incivility and bullying (pp. 155–167). Routledge.
Loh, J. M., & Loi, N. (2018). Fit for tat: Burnout as a mediator between workplace incivility and instigated workplace incivility. Asia-Pacific Journal of Business Administration, 10(1), 100–111. https://doi.org/10.1080/23311908.2017-0132
Lu, L., Lu, A. C. C., Gursoy, D., & Neale, N. R. (2016). Work engagement, job satisfaction, and turnover intentions: A comparison between supervisors and line-level employees. International Journal of Contemporary Hospitality Management, 28(4), 737–761. https://doi.org/10.1108/IJCHM-07-2014-0360
Ma, C., Meng, D., Shi, Y., Xie, F., Wang, J., Dong, X., & Sun, T. (2018). Impact of workplace incivility in hospitals on the work ability, career expectations and job
performance of Chinese nurses: A cross-sectional survey. BMJ Open, 8(12), e021874. https://doi.org/10.1136/bmjopen-2018-021874

Memon, M. A., Salleh, R., & Baharom, M. N. R. (2015). Linking Person-Job Fit, Person-organization fit, employee engagement and turnover intention: A three-step conceptual model. Asian Social Science, 11(2), 313. http://dx.doi.org/10.5539/ass.v11n2p313

Memon, M. A., Salleh, R., & Baharom, M. N. R. (2016). The link between training satisfaction, work engagement and turnover intention. European Journal of Training and Development, 40(6), 407–429. https://doi.org/10.1108/EJTD-10-2015-0077

Montgomery, K., Kane, K., & Vance, C. M. (2004). Accounting for differences in norms of respect: A study of assessments of incivility through the lenses of race and gender. Group & Organization Management, 29(2), 248–268. https://doi.org/10.1177/10596101032531205

Pearson, C., & Porath, C. (2009). The cost of bad behavior: How incivility ruins your business and what you can do about it. Portfolio.

Pearson, C. M., & Porath, C. L. (2005). On the nature, consequences, and remedies of workplace incivility: No time for ‘nice’? Think again. Academy of Management Executive, 19(1), 7–18. https://doi.org/10.5465/ame.2005.15841946.

Podsakoff, P. M., Mackenzie, S. B., Lee, J. Y., & Podsakoff, N. P. (2003). Common method biases in behavioral research: A critical review of the literature and recommended remedies. Journal of Applied Psychology, 88(5), 879–903. https://doi.org/10.1037/0021-9010.88.5.879

Porath, C. L., & Enez, A. (2009). Overlooked but not untouched: How rudeness reduces onlookers’ performance on routine and creative tasks. Organizational Behavior and Human Decision Processes, 109(1), 29–44. https://doi.org/10.1016/j.obhdp.2009.01.003

Porath, C. L., & Pearson, C. M. (2012). Emotional and behavioral responses to workplace incivility and the impact of hierarchical status. Journal of Applied Psychology, 42(1), 326–357. https://doi.org/10.1111/j.1559-1816.2012.01020.x.

Rahim, A., & Cosby, D. M. (2016). A model of workplace incivility, job burnout, turnover intentions, and job performance. Journal of Management Development, 35(10), 1255–1265. https://doi.org/10.1108/JMD-09-2015-0138

Relo, T. G., Jr, & Sanders-Reio, J. (2011). Thinking about workplace engagement: Does supervisor and coworker incivility really matter? Advances in Developing Human Resources, 13(4), 462–478. https://doi.org/10.1177/1523422311430784

Rousseau, D. M., Manning, J., & Denyer, D. (2008). Evidence in management and organizational science: Assembling the field’s full weight of scientific knowledge through syntheses. The Academy of Management Annals, 2(1), 475–515. https://doi.org/10.5465/19416520802211651

Schaufeli, W. B., Bakker, A. B., & Salanova, M. (2006). The measurement of work engagement: with a short questionnaire. Educational and Psychological Measurement, 66(4), 701–716. https://doi.org/10.1177/001316405282471

Schaufeli, W. B., Salanova, M., Gonzalez-Romá, V., & Bakker, A. B. (2002). The measurement of engagement and burnout: A two sample confirmatory factor analytic approach. Journal of Happiness Studies, 3(1), 71–79. https://doi.org/10.1023/A:1015630930326

Seashore, S. E., Lawler, E. E., Mirvis, P., & Cammann, C. (1982). Observing and measuring organizational change: A guide to field practice. Wiley.

Sharma, N., & Singh, V. K. (2016). Effect of workplace incivility on job satisfaction and turnover intentions in India. South Asian Journal of Global Business Research, 5(2), 234–249. https://doi.org/10.1108/SAJGBR-02-2015-0020

Shaw, J. D., Duffy, M. K., Johnson, J. L., & Lockhart, D. E. (2005). Turnover, social capital losses, and performance. Academy of Management Journal, 48(4), 594–606. https://doi.org/10.5465/amj.2005.17843940

Shi, Y., Guo, H., Zhang, S., Xie, F., Wang, J., Sun, Z., Dong, X., Sun, T., & Fan, L. (2018). Impact of workplace incivility against new nurses on job burn-out: A cross-sectional study in China. BMJ Open, 8(4), e020461. https://doi.org/10.1136/bmjopen-2017-020461

Sliter, M., Sliter, K., & Jex, S. (2012). The employee as a punching bag: The effect of multiple sources of incivility on employee withdrawal behavior and sales performance. Journal of Organizational Behavior, 33(1), 121–139. https://doi.org/10.1002/job.767

Smith, L. M., Andrusyszyn, M. A., & Laschinger, H. K. S. (2010). Effects of workplace incivility and empowerment on newly-graduated nurses’ organizational commitment. Journal of Nursing Management, 18(8), 1004–1015. https://doi.org/10.1111/j.1365-2834.2010.01165.x

Son, J. L., & Jang, J. H. (2017). The relationship between dental hygiene student’s exposure to incivility at workplace and their turnover intention. Journal of Korean Society of Dental Hygiene, 17(5), 779–789. https://doi.org/10.13065/jksdh.2017.17.05.779

Tehseen, S., Ramayah, T., & Sojilam, S. (2017). Testing and controlling for common method variance: A review of available methods. Journal of Management Sciences, 4(2), 142–168. https://doi.org/10.20547/jms.2014.1704202

Torres, E. N., van Niekerk, M., & Orlovski, M. (2017). Customer and employee incivility and its causal effects in the hospitality industry. Journal of Hospitality Marketing & Management, 26(1), 48–66. https://doi.org/10.1080/19368623.2016.1178620

Vohle-Hinz, T., Baethge, A., & Van Dick, R. (2019). Beyond one work day? A daily diary study on causal and reverse effects between experienced workplace incivility and behaving rude towards others. European Journal of Work and Organizational Psychology, 28(2), 272–285. https://doi.org/10.1080/13591205.2019.1576633

Warner, J., Sommers, K., Zappa, M., & Thornlow, D. K. (2016). Decreasing workplace incivility. Nursing Management, 47(1), 22–30. https://doi.org/10.1097/01.NUMA.0000475622.91398.3c

Welbourne, J. L., Gangadharan, A., & Esparza, C. A. (2016). Coping style and gender effects on attitudinal responses to incivility. Journal of Managerial Psychology, 31(3), 720–738. https://doi.org/10.1108/JMP-11-2014-0340

Yeung, A., & Griffin, B. (2008). Workplace incivility: Does it matter in Asia? People and Strategy, 31(3), 14–19. Retrieved from https://scholar.google.com/scholar_lookup?hl=en&publication_year=2008&pages=14–19&issuetype=3&author=A.Yeung&author=8. +Griffin&title=%E2%80%9CWorkplace+incivility%E2%80%9D+Does+it+matter+in+Asia%3A+Griffin

Zhou, Z. E., Yan, Y., Che, X. X., & Meier, L. L. (2015). Effect of workplace incivility on end-of-work negative affect: Examining individual and organizational moderators in a daily diary study. Journal of Occupational Health Psychology, 20(1), 117. https://doi.org/10.1037/a0038167
