# CROSS LEVEL ANALYSIS OF ORGANIZATIONAL JUSTICE CLIMATE TO COUNTERPRODUCTIVE WORK BEHAVIOR: LEADER-MEMBER EXCHANGE AS MEDIATION

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#### **ABSTRACT**

Abstract— This study is a cross-level (unit-individual) study which has aimed to test the effect of procedural justice climate and distributive justice climate (unit level) on Counterproductive Work Behavior (CWB) (individual level). In addition, this study also tests the role of Leader-Member Exchange (LMX) (individual level) in mediating the effect of procedural and distributive justice climate on CWB. Researchers distribute questionnaires to noncivil servant lecturers in 3 New State Uni-versities (NSU) in Indonesia. There is 399 questionnaires that are returned and completed. Then it is processed byHierar-chical Linear Modeling (HLM). The instruments are tested by using confirmatory factor analysis and reliability test, then look atthe Cronbach's Alpha coefficient. Hypothesis test results show that the procedural justice climate has a significant nega-tive effect on CWB (H1 supported), significant effect on LMX (H3 supported), and LMX has a significant effect on CWB (H5 supported).

). However, distributive justice climate has no effect on CWB (H2 is not supported) and LMX (H3 is not supported). LMX mediates the effect of Procedural Justice Climate on CWB (H6 was supported). Leader Member Exchange (LMX) was not mediates the effect of Distributive Justice Climate (DJC) on Counterproductive Work Behavior (CWB) (H7 was not supported). The results of this study are interesting to discuss further and open opportunities for cross-level studywith other variables and objects.

Keywords— Procedural Justice Climate, Distributive Justice Climate, Counterproductive Work Behavior (CWB), And Leader-Member Exchange (LMX)

#### INTRODUCTION

Counterproductive Work Behavior (CWB) has received the attention of researchers and management experts in recent years because it takes high cost to overcome it. Counterproductive work behavior has economic, social, and psychological implications. (Aubé et al. 2009). Demerouti et al., (2015) state that negative work behavior has negative consequence for individual and organization. According to Gruys & Sackett (2003); almost all CWB are interpreted similarly, namely employee behavior that harms the organization and other organizationalmembers and usually characterized by ignoring organizational rules and social values. CWB has the same definition with deviant work behavior namely various employee actions that are intended to harm the organization and other organizational members (Bowling & Gruys, 2010). According to Bennett & Robinson (2000), deviant behavior is a form of behavior in the organization that is intentionally conducted by employees. It aimed on organizations and organizational members which are violate organizational norms and have an impact on the welfare of the organization and organizational members.

Previous studies (Galperin et al., (2011); Alias et al. (2012)) show that CWB is commonly found in public sector organization. It is reinforced by Bashir et al. (2012). CWB behavior can be assessed from the triggering factors (antecedents), such as individual, organization, work, contextual factor, and consequence (Lau et al., 2003). Some studies such as Krischer et al. (2010); Kessler et al. (2013); Yang et al. (2013) conclude that CWB have a negative effect on employees and organization. Organizational justice factor is considered to affect the employee's decision to be involved in CWB or not (Henle, 2005).

Organizational justice is initially divided into three dimensions, namely distributive justice, procedural justice, and interactional justice (Siswanti et al., 2018); (Palupi & Tjahjono, 2016); (Tjahjono et al., 2019). The three organizational justice include: (1) distributive justice is the perception of fairness about output allocation in organization (Colquitt, 2001). Distributive justice refers to equity theory (Cook & Gerbasi, 2012) which states that individual defines justice only on the comparison of outcomes received, so that the relationship tends to be more appropriate in economic exchange called contract, ie agreement to create obligations or not do something. Economic exchange reciprocity will be limited to in-role behavior because

employees see little possibility of doing things that beyond specific contractual agreements; (2) Procedural justice is the perception of fairness in terms of the rules or procedures used to determine the allocation of distribution among employees (Colquitt, 2001). Fair procedures must have several criterias, namely: consistency, lack of bias, correctability, representation, accuracy, ethically (Colquitt et al. (2013); (3) The third dimension is interactional justice. According to Colquitt et al. (2001); Colquitt & Zipay (2015); Colquitt et al. (2013), interactional justice refers to the authority well communicated to employees. Interactional justice as individual's perception about level of an employee is treated with dignity, attention, and respect. According to Colquitt (2001), interactional justice shows the level of someone treated well, respectfully, and politely. Then, organizational behavior researchers identify four organizational justice types, namely: distributive justice, procedural iustice. and interactional iustice development (interpersonal and informational justice) (Zapata-Phelan et al., 2009).

According to Mossholder et al. (1998), individual approach fails to overcome social contexts when dealing with the formation of justice perception. In a unit or group, each member interacts with each other. observes behavior, and tiedfor build shared perceptions to evaluate justice which is applied in the organization (Naumann & Bennett (2000); Li & Cropanzano (2009). Consistent with this statement, current studies are recommended to see justice as a property and formed by the basis of interaction between each member in the same unit or group. This formed perception called justice climate. The meta-analysis result (Lau et al., 2003) recommend further study to examine interaction between individual factors and situational factors (organizational justice climate) affect CWB, so crosslevel research is needed. Cross-level study is conducted when testing the effect of higher levels (organization or unit/group) on lower levels. Cross-level testing uses Hierarchical Linear Modeling (HLM) analysis tool. Seibert et al. (2004) state that HLM is an appropriate analytical tool to test cross level model in which there is variance at the individual level and group level variance with individual level outcomes. The HLM method still considers variance within units and variance between units (Hoffman et al., 2007).

#### LITERATURE REVIEW COUNTERPRODUCTIVE WORK BEHAVIOR (CWB) AND ORGANIZATIONAL JUSTICE CLIMATE

CWB is work behavior which interferes organization or organizational member, such as theft, sabotage, interpersonal aggression, slow work, wasting time or material, and spreading rumors (Spector et al., 2006). Similar definition is conveyed by Gruys & Sackett (2003) which state that counterproductive work behavior is the behavior of organizational members that is intentionally break the rules or ignore values are contrary to the official interests of the organization.

Spector et al. (2006) explain CWB dimension can be divided into five categories, namely: (1) being rude to others, an employee's deviation work behavior which can hurt co-workers or other organizational members physically and psychologically through actions, such as: threat, ignoring others, unpleasant comment, or reducing one's ability to work effectively; (2) deviation in production, (3) sabotage, (4) theft, (5) withdrawal, an employee's deviation work behavior which limits the number of work times less than required by organizations, such as arrive late or leave work early, absence, and increaserest period than determined (Bennett & Robinson, 2000).

According to Kozlowski & Klein (2000), several phenomenas in organization based on theories of affection, behavior, and individual characteristics appear with a higher level, namely groups or units due to social interaction and exchange between individual. Organizational justice is one of organization's phenomena that emphasizes cognitive aspects and treatson higher level because of social interaction between individual in the process of forming justice perception. Colquitt (2001) reinforces that organizational justice is the result of social construction. In this social construction, there is an interaction between individual, exchange, and sharing information process in a unit or group.

According to Liao & Rupp (2005), the justice climate is justice perception at the level of group and organization. Justice perception at the individual level is unable to capture the social context that shapes the justice perception. Justice climate is shared perception of members in a group regarding policy, procedure, and treatment which have source from the organization and supervisor. Members in a group are seen to have the same information and experience due to dealing with same leader, policy, procedure in the organization and other similar contextual factors. Joint consensus and perception among members in the group will emerge as a consequence of this similarity. This joint consensus and perception are measured as a justice climate. Roberson & Colquitt (2005) state that employees or individuals in the group will share each other and will lead to a shared interpretation of justice through the aggregation of justice perceptions across group members.

#### ORGANIZATIONAL JUSTICE CLIMATE, LEADER MEMBER EXCHANGE(LMX) AND COUNTERPRODUCTIVE WORK BEHAVIOR (CWB)

According to G. B. Graen & Scandura (1987); in the role theory, LMX has two dimensions namely approaches to build good relations with employees which is consist of loyalty, support, and trust. The dimension which being LMX basis is coupling that focuses on the attitudes of superiors towards subordinates, including: communicationdirection influence, allocation, (adressing), freedom expression, and innovation. Liden & Maslyn (1998) explain that LMX is multidimensional and has four dimensions, namely contribution, loyalty, affection, and respect for the profession.

Liao & Rupp (2005) show the significant effect of the procedural justice climate and interactional justice climate (interpersonal and informational) on employee attitudes and behavior, including counterproductive work behavior. Chernyak-Hai & Tziner (2014) show that distributive justice has a significant (though marginal) effect on CWB.

Several other empirical studies have shown that procedural justice, distributive justice, interpersonal

justice, and informational justice have a significant negative effect on CWB both in organization and other interpersonal or individuals (Devonish & Greenidge, 2010); (El Akremi et al., 2010). These results were also strengthened by Berry et al. (2007) & Dalal (2005) in his meta-analysis on organizations and other interpersonal individual. There is a strong negative relationship between interactional justice and CWB. Pillai et al. (1999) find that procedural justice and distributive justice are significantly related to leader-member exchange (LMX). The leader-member exchange has a significant effect on CWB (Seo, 2016).

- Hypothesis 1: Procedural Justice Climate (PJC) has significant effect on Counterproductive Work Behavior (CWB).
- Hypothesis 2: Distributive Justice Climate (DJC) has significant effect on Counterproductive Work Behavior (CWB).
- Hypothesis 3: Procedural Justice Climate (PJC) has significant effect on Leader Member Exchange (LMX).
- Hypothesis 4: Distributive Justice Climate (DJC) has significant effect on Leader Member Exchange (LMX).
- Hypothesis 5: Leader Member Exchange (LMX) has significant effect on Counterproductive Work Behavior (CWB).
- Hypothesis 6: Leader Member Exchange (LMX) mediates the effect of Procedural Justice Climate on Counterproductive Work Behavior (CWB).
- Hypothesis 7: Leader Member Exchange (LMX) mediates the effect of Distributive Justice Climate (DJC) on Counterproductive Work Behavior (CWB).

The instruments for measuring procedural justice climate are developed by Niehoff & Moorman (1993). The instruments for measuring distributive justice are developed by Cropanzano et al. (2011): distributive intra unit justice which is consist of 5 items. The instruments for measuring interpersonal justice are developed by Colquitt (2001b) which is consist of 4 items. The measurement of LMX variable adopts 11 questions from Maslyn & Uhl-Bien (2001). This variable is measured at the individual level. CWB is measured at the individual level with instruments developed from Gruys & Sackett (2003), as many as 27 items. All instruments are measured with a 6 point Adjusted Likert Scale (scale 1 = very strongly disagree to scale 6 = strongly agree). The instrument test is conducted with validity test using confirmatory factor analysis and reliability testing. The reliability test result is shown by looking at Cronbach Alpa. According to Hair et al. (2006), the reliability test limit is  $\alpha$  0.7; whereas if  $\alpha$  = 0.6, it can be accepted in exploratory research.

#### HYPOTHESIS TESTING METHOD

Hypothesis testing uses Hierarchical Linear Modeling (HLM) because this study examines variables that differ in their level of analysis (cross level), namely group level and individual level (2-1-1). This model is developed by Raudenbush and Bryk (2002).

### RESULT AND DISCUSSION RESPONDENTS PROFILE

The results in Table 1 show that the majority of respondents are 46-50 years old (27%), female (56%) and 81% have a Master education. Whereas, the majority of length of working are 21-25 years old (30%).

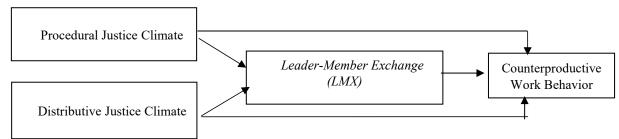


Figure 1. Research model

#### RESEARCH METHOD POPULATION AND SAMPLE

The population in this study is lecturers in three (3) New State Universities (NSU) in Indonesia. There are two sources of data used, namely: primary data (questionnaire and interview) and secondary data (population). Data collection in this study is collected by interview and questionnaire. Sampling used purpossive (criteria is respondents is not government emplyees). Total of population from three (3) New State University in Indonesia is 563. We found 365 minimal sample size with Slovin's formula. There are 55 number of study programs that meet the requirements.

#### MEASUREMENT

Table 1. Respondents Profile

Profile	Descriptio	Descriptio Tota Pero	
	n ·	ı	e
Age	26 – 30	12	3.0
	years old	76	19.0
	31 – 35	62	15.5
	years old	84	21.1
	36 – 40	109	27.3
	years old	35	8.8
	41 – 45	18	4.5
	years old	3	.8
	46 – 50		
	years old		
	51 – 55		
	years old		
	55– 60 years		
	old		

or working	6-10 years	70	
of working	old	71	17.8
Educatio n Length	Master Doctoral 1-5 years	321 78 31	80.5 19.5 7.8
Gender	>60 years old Male Female	173 226	43.4 56.6

#### VALIDITY AND RELIABILITY TEST RESULTS

Procedural Justice Climate has 9 items whereas 6 items are valid. There are 3 items of distributive justice perception are valid. All LMX items (11 items) are valid. CWB (21 items), there are 15 valid items (Siswanti et al., 2020). Reliability test show that all variable are reliable (has Cronbach Alpha>0,6) (Procedural justice:0,93; distributive justice:0,72; LMX: 0,86; and CWB: 0,93).

#### HYPOTHESIS TEST RESULT

#### DESCRIPTIVE STATISTICS

The result in Table 2 shows that the average LMX and PJC have high score, DJC has low score, and CWB has very low score. Correlation coefficient of that research variable has a quite high score with the significance level below 0.05. This shows that the each variable that is studied has a significant relationship.

Table 2. Descriptive Statistic and Correlation

No.	Individual level variable	Average	Perceptio n of Average Score	Standar d Deviatio n	1
1.	Leader- Member Exchange (LMX)	4.3743	High	.8445 2	
2.	Counterproduct ive Work Behavior (CWB)	1.5646	Lowest	.46672	
	Unit level				

variable				
Procedural	4.4722	High	.92142	.3
Justice Climate				
Distributive	2.9649	Low	1.12190	
 Justice Climate				

**Note:** \*\**p*< 0,01; \**p*< 0,05

#### UNIT LEVEL DATA TESTING

The unit level variable in this study is procedural justice climate and distributive justice climate. The data collected is individual perception, so an aggregation justification is needed to make it a unit level variable. When the aggregation is conducted and the results not meet the minimum score, the group or work unit is not suitable to be used as study sample. The stages of aggregation of individual data into group data are as follows:

- a) The first step of data aggregation refers to the value of the Inter-Rater Agreement (IRA). Inter-Rater Agreement is an index of approval degrees in a separate work unit. IRA calculation is applied to each work group for each variable. IRA testing has minimum score (cut-off) that must be met.All work units must have a score> 0.70. 55 work groups or units have predetermined score standards (cut-off> 0.70), so they meet the requirements to be included in the analysis testing process.
- b) Calculate ICC (1) or Inter-Class Correlation for each justice climate (procedural and distributive). The score generated in the ICC test (1) must be equal to or greater than 0.05; that isthe variance between groups is greater than the variants in the group. The ICC value (1) represents that there is sufficient variance between groups.
- c) ICC score (2) must be> 0.60, which is the ICC standard score (2) (Newman & Sin, 2009). If standard scores are met the working group or unit, there areaverage eligibility score given by each working group member to represent score at the group level. The estimation result shows that ICC score (2) meets the standard value of 0.60 for each justice climate.

Unit level data testing result is shown in Table 3.

Table 3. Unit Level Data Testing Result

N o.	Variable	r <sub>wg</sub> (Avera ge)	r <sub>wg</sub> (Medi an)	(1)	(2)
1.	Procedur al Justice Climate	0,8423	0,847 1	0,6 72	0,9 25
2.	Distributi ve Justice Climate	0,8322	0,834 3	0,7 01	0,8 76
3.	Interactio nal	0,8160	0,809 2	0,5 82	0,7 36

	Justice Climate				
4.	Informati onal Justice Climate	0,8142	0,800	0,8 02	0,9 61

Note: r<sub>wg</sub> = Interrater Agreement, ICC = Intraclass Correlation Coefficient

### d) Between Variance Testing on Dependent Variables

Before testing the hypothesis with HLM, the unconstrained (null) dependent variable modelmust be tested to determine the variance of the dependent variable between study groups (between-group variance) as a condition that must be met before cross-level testing. The null model testing is conducted on variables that are being the consequences of procedural justice climate, distributive justice climate, namely CWB and LMX.

Table 4 shows the unconstrained model result of the two output variables. The test result shows a significant chi-square value for CWB (  $\chi = 73.51841$ ; p <0.05), and leader-member exchange (LMX) ( $\chi = 101.82383$ ; p <0.001). These results indicate that there are differences in outcome variables between work units, so that cross-level hypothesis testing using HLM analysis tools can be conducted.

Table 4. Summary of Unconstrained Testing Results (Null Model)

Variable	Chi-	$\sigma^2$	ICC =	Descripti
	Squar	dan т	т/(т +	on
	e (χ²)		σ²)	
Leader-	101.82	0,638	0.012	The
Member	383	51	756	result of
Exchange		and		the
(LMX)		0,008		unconstra
		25		ined
Counterprod	73.518	0,209	0.051	model
uctive work	41	73	639	shows a
behavior		and		significan
(CWB)		0,011		t chi-
		42		square
				and ICC,
				ie there
				are
				difference
				s in
				variance
				between work
				units/
				study
				programs
				on each
				depende
				nt
				variable.
				so that
				HLM
				analysis
				can be

		proceed.

#### HYPOTHESIS TESTING

Hypothesis testing is divided into two parts, namely: (1) testing the effect of cross-level procedural justice climate and distributive justice climate on CWB; (2) testing the effect of mediating the leader-member exchange (LMX) on the effect of procedural justice climate and distributive justice climate to CWB. Table 5 shows the direct test result of unit level variable on output variable individual level.

Table 5. Direct Test Result Summary of Unit Level Variable on Output Variable Individual Level

Varia ble	CW B	Н	LM X	Н				
	Γ	S. E	<i>P-</i> Val ue		Υ	S. E	<i>P-</i> Val ue	
Unit Level								
Proce dural Justic e Climat e	- 0.10 6**	0.0 51	0.0 44	<b>H</b>	0.57 2***	0.0	<0. 001	H 3
Distrib utive Justic e Climat e	0.03	0.0 75	0.6 69	H 2	0.05	0.1 11	0.6 53	H 4
Indivi dual Level								
LMX	- 0.17 4***	0.0 51	<0. 001	H 5				

Note:\*\*\*p<0,001;\*\*p<0,05

Table 5 shows that the testing result of the effect of cross-level procedural justice climate on CWB is significantly negative ( $\gamma$  = -0.106; SE = 0.051; p <0.044). it means that **hypothesis 1 is supported**. H2 test result shows that the distributive justice climate does not have a significant effect on CWB ( $\gamma$  = 0.032; SE = 0.075; p <0.669). It means **H2 is not supported**. H3 test result shows a significant positive effect on procedural justice climate to LMX ( $\gamma$  = 0.572; SE = 0.086; p <0.001). It means that **H3 is supported**. H4 test result shows the cross level effect of distributive justice climate on LMX is not significant ( $\gamma$  = 0.050; SE = 0.111; p <0.653). This

result indicates that **Hypothesis 4 is not supported**. H5 test result shows a significant negative effect of LMX on CWB ( $\gamma$  = -0.174; SE = 0.051; p <0.001). This result indicates that **hypothesis 5 is supported**.

This study also measures the variance  $(r^2)$  of each relationship obtained from the difference between the variance of the null model testing (indicated by  $\tau$ ) with the variance of each model's relationship test ( $\tau$ ), then divided by the null model variance (Woltman et al., 2012). Table 6 shows steps of hypothesis 6 testing.

Table 6. Steps of Hypothesis 6Testing

Stage	Direct Effect	
Stage 1: Effect of PJC on CWB	$\gamma = -0.106$ $p < 0.044$ $r^2 = 7.89\%$	
Stage 2: Effect of PJCon LMX	$\gamma = 0.572$ $\rho < 0.001$ $r^2 = 37.60\%$	
Stage 3: Effect of LMX on CWB	$\gamma = -0.174$ $\rho < 0.001$ $r^2 = 38.55\%$	
Stage 4: Effect of PJCand LMX on CWB		γ p

**Note**: PJC = Procedural Justice Climate; LMX = Leader-Member Exchange; CWB = Counter Productive Work Behavior

H6 test result shows that LMX acts as a mediator (Table 6) that is partial (partially mediation variables) so that **Hypothesis 6 is supported**. The assumption developed by (Fritz & MacKinnon, 2007) include: if the independent variable has a direct effect (the first step) but not significant after putting mediating variable, then the effect of full mediation is occur. After putting a mediating variable, there is a change in the value of variance (r²). Table 7 shows steps of hypothesis 7 testing.

Table 7. Steps of Hypothesis 7 Testing

Stage	Direct Effect(γ)	Effect After Mediation (γ)	Description
Stage 1: Effect of DJC on CWB	γ = 0,340 ρ < 0,669		Not Significant
Stage 2: Effect of DJC on LMX	$\gamma = 0.032$ $p < 0.653$		Not Significant
Stage 3: Effect of LMX on CWB	γ = -0.174 ρ < 0,001		Significant
Stage 4: Effect of DJC and LMX on	-	-	This test is discontinued because the second stage

CWB		of the test is
		not significant

Note: DJC = Distributive Justice Climate;LMX = Leader-Member Exchange; CWB = Counter Productive Work Behavior

H7 test result shows that LMX does not mediate the effect of the distributive justice climate on CWB (Table 7) so hypothesis 7 is not supported.

#### DISCUSSION

The test results show that the procedural justice climate affects CWB negatively and significantly. The study results support previous studies which state that procedural justice has a significant negative effect on CWB (Cohen-Charash & Spector, 2001); (Liao & Rupp, 2005); (Jones, 2009); (El Akremi et al., 2010); (DeConinck, 2010); (Devonish & Greenidge, 2010); (Wu et.al, 2016). The results show if the perception of procedural justice understood well and continued to increase in groups, it would reduce the individual desire to have counterproductive work behavior. Trust will be realized when there is justice. When someone is treated fairly, there is reciprocity norm that says that they must also do the same. In this case, justice and trust are important (DeConinck, 2010).

The real phenomena in the three institutions of study objects is if all employees in each study program or work unit feel a high perception in procedural justice, their tendency to perform CWB is decreasing (not coming work without information, deliberately coming late to campus, making negative rumors about the leaders or agencies, returning from campus earlier than the schedule and etc). One of the values

embedded in their work environment is discipline. The discipline value that had been instilled since the establishment of the three NSUs had been integrated into the every employee's soul, so he always tried to obey the rules. The results of this study are strengthened by the researchers' interviews with some participants who receive compensation accordance with official procedures from the government and regulation. They reduce the desire to behave counterproductive work.

Testing the effect of cross-level procedural justice climate on LMX shows significant positive effect. This result indicates that **Hypothesis 3 is supported**. This study supports (Colquitt et al., 2013); (Williams et al., 2016) which state that procedural, distributive, and interactional justice are significantly positive related to LMX. Pillai et al., (1999) find that procedural justice and distributive justice are significantly related to leader-member exchange (LMX). Anderson et al.(2015) find that procedural, distributive, and interactional justice are significantly positive related to LMX. The results of this study show thatif procedural justice in units or groups is perceived highly, it would affect the improvement of leader-member exchange.

This study's results are relevant to social exchange theory (Dulebohn et al., 2012) which states that high procedural justice is reciprocated by increasing the quality of leader-member exchange (LMX). This is relevant to LMX theory (George B. Graen & Uhl-Bien, 1995), there are three (3) things that are being the basis in building the relationship of leader member

exchange, namely: respect, trust, and obligation. This also happens in the three NSUs which being an object in this study. The culture of discipline, struggle, and creativity made lecturers who have the highest perception in the procedural justice climate, increase their willingness to maintain good relations with the leader. This small group will foster mutual trust, which is called in-group. This good relationship is created as a result of justice perceptions which perceived positively by work units, thus affecting the quality of the superiorsubordinate (LMX) relationship. H5 test result shows that LMX has a significant effect on CWB reduction. The results of this study support previous studies ((Dick, 2015); (Pillai et al., 1999); (Kelloway & Barling, 2010);(Vidyarthi et al., 2010); (Clark, 2013); (Colquitt et al., 2013); (Seo, 2018) which state that in the high quality LMX group, when leader offers work in broader scope, responsibilities, communication and support, then in return members respond with higher time, energy, responsibility, commitment, and reduce behavior negative. The results of this study are in line embedded in the study object, with the values especially the second value, namely struggle. Struggle is the obstacle in facing the reality of life. The positive consequences of the struggle in the LMX process foster awareness of doing the best for the organization.

The results of this study support H6 which shows LMX mediates a partial effect of procedural justice climate on CWB. It also supports previous studies (Pillai et al., 1999); (Anderson et al., 2015) which state that the procedural justice climate has a positive and significant effect on leader-member exchange (LMX). The improved quality of LMX will have an effect on decreasing CWB (Pillai et al., 1999); (Vidyarthi et al., 2010); (Colquitt et al., 2013); (Seo, 2017). When the procedural justice climate is highly perceived by the work unit, there are reciprocal efforts to improve the quality of LMX. High quality of LMX (in group), will minimize the possibility of lecturer's CWB in the study object.

H2 test result shows that distributive justice climate has no effect on CWB. This result contradicts previous studies (Devonish & Greenidge, 2010); (El Akremi et al., 2010); (Colquitt et al., 2013) which state that the distributive justice climate has a significant negative effect on CWB. Although the results are contradicted to previous studies, this study supports (Cohen & Diamant, 2019); (Shahid Tufail et al., 2017) which state that distributive justice perception has no significant effect on CWB. Previous studies show that there may be other variables that directly affect CWB, beside distributive justice climate. Other variables that are possible to have a significant effect on CWB are:gender (Chernyak-Hai & Tziner, 2014); (Bowling & Burns, 2015), personality factors also have a significant effect on CWB. This is reinforced by (Van Zyl & de Bruin, 2018); self-awareness (Langkamp Jacobson, 2009), self-control (Ju et al., 2019); emotional intelligence also has a significant effect on CWB (Raman et al., 2016); (Miao et al., 2019); (Dirican & Erdil, 2020); work conditions, worktype, coworkers, financial conditions, employee benefits have a significant effect on CWB (Debusscher et al., 2016); social demographics (Uche et al., 2017); social support (Matta et al., 2015); employee engagement (Wahyu Ariani, 2013); Individual characteristics (Uche et al., 2017); Stress levels (Hasanati et al., 2018); organizational support (Vatankhah et al., 2017); emotion (Fida et al., 2015); (Harold et al., 2016); Self efficacy (Roman, 2018); Self esteem (Whelpley & McDaniel, 2016); religiosity (Palupi & Tjahjono, 2016); leadership (Ju et al., 2019); organizational culture (O'Boyle et al., 2012). Those studies are strengthened by researchers' interview with participants and the results show that gender, personality, self-awareness, self-control, emotional intelligence, personality, work conditions, individual characteristics, social support, religiosity, leadership, and organizational culture are factors that have potency to affect the CWB level, especially for lecturers in the three objects studied.

H4 test result shows that the distributive justice climate does not have a significant effect on LMX (H4 is not supported). This study does not support previous studies (Pillai et al., 1999); (Colquitt et al., 2013); (Williams et al., 2016); (Anderson et al., 2015); (Syaifuddin, D et al., 2015) which state that procedural, distributive, and interactional justice are significantly positive related to LMX. Although H4 is not supported, this study supports previous study (Fein et al., 2013); which states that distributive justice perceived by 112 employees of cellular companies in Israel has no significant effect on LMX.

H7 test result show that LMX does not mediate the effect of distributive justice climate on CWB. From the history of the establishment of the objects, it can be seen that internalizing the values of discipline, struggle, and creativity process is based on the leadership concept which contains a semi-military element because it was founded by veterans. In general, military leadership requires members to obey the leader (Sheller, 2018). Comply with the leaders carries in the form of behaviors that tend to be positive (Styles, 2018). So the results of this study find that gender, personality, self-awareness, self-control, emotional intelligence, personality, work conditions, individual characteristics, social support, religiosity, leadership, and organizational culture are factors that have the potency to affects the level of CWB especially at lecturers in the three objects it is not the distributive justice climate, interpersonal justice climate, and informational justice climate.

#### THEORITICAL AND MANAGERIAL IMPLICATION

This research contributes to strength the theory and science about the need of LMX as fully mediated variable about related distributif, interpersonal, and informational justice cliate to counterproductive work behavior. This research used cross level analysis with Hierarchical Linear modelling (HLM) to test the climate of justice which already has validity in predicting individual unit level attitudes and behavior beyond the perception of individual level justice because justice perception at the individual level is unable to capture social context that shapes the justice gives perception.This research also practical implication to the notion that need to improve LMX in the leadership-subordinate relationship, so that the organizational justice climate can improve and minimize the occurrence of CWB.

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