Supplementary File

JOURNAL SEARCH STRATEGY AND DETERMINATION

We started this meta-analysis by gathering authors who are experts in nursing wound care and medical doctors in the field of wounds. We determined PICOS (Population: Wound Chronic, Intervention: Negative Pressure Wound Therapy, Comparison: Standard Wound Care, Outcome: Infection and Wound Healing, Study's: Randomized Control Trial and Clinical Trial). Then we discussed with the team and searched for keywords in Mesh Browser and Mesh Term Pubmed, our authors agreed with Keyword Search: Negative Pressure Wound Therapy OR Vacuum Assisted Closure AND Chronic Wounds OR Ulcers AND Clinical Trial AND Randomized Control Trial, and the three of us saw the results the same for all three authors:

Table S1 Similarity of search results from all authors

No	Authors	Database (2016-2021 Years)				
		Institution	CINAHL	ProQuest	PubMed	ScienceDirect
1	Asmat Burhan, RN., M.Kep, ETN	Universitas Harapan Bangsa-Indonesia	148	6,929	568	1,415
2.	Dr. Nizam Bin Ali Khusein, MD	Hospital Sarawak, Kucing-Malaysia	148	6,929	568	1,415
3	Septian Mixrova S, S.Kep., Ns., M.Kep	Universitas Harapan Bangsa-Indonesia	148	6,929	568	1,415

SEARCHING STRATEGY IN FIVE DATABASES

Searching articles in **CINAHL** on September 30, 2021 with the following keywords: Negative Pressure Wound Therapy OR Vacuum-Assisted Closure AND Chronic Wounds OR Ulcers AND Clinical Trial AND Randomized Control Trial.

Figure S1 Screenshot of the screening results in CINAHL (2016-2021)

Searching articles in **ProQuest** on September 30, 2021with the following keywords: Negative Pressure Wound Therapy OR Vacuum-Assisted Closure AND Chronic Wounds OR Ulcers AND Clinical Trial AND Randomized Control Trial.
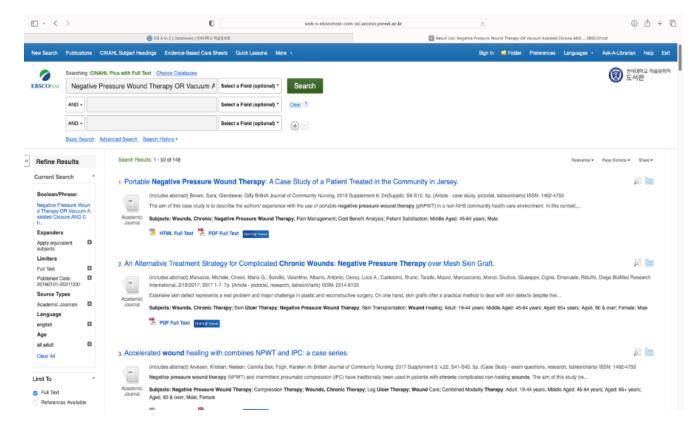

Figure S2 Screenshot of the screening results in ProQuest (2016-2021)

Searching articles in **PubMed** on September 30, 2021 with the following keywords: Negative Pressure Wound Therapy OR Vacuum-Assisted Closure AND Chronic Wounds OR Ulcers AND Clinical Trial AND Randomized Control Trial.
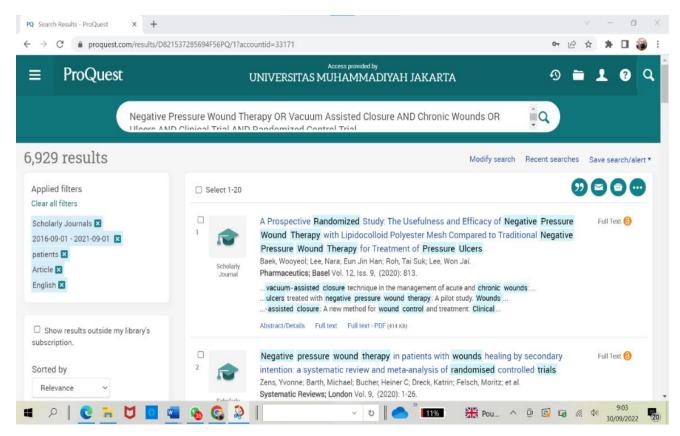

Figure S3 Screenshot of the screening results in PubMed (2016-2021)

Searching articles in **ScienceDirect** on September 30, 2021 with the following keywords: Negative Pressure Wound Therapy OR Vacuum-Assisted Closure AND Chronic Wounds OR Ulcers AND Clinical Trial AND Randomized Control Trial.
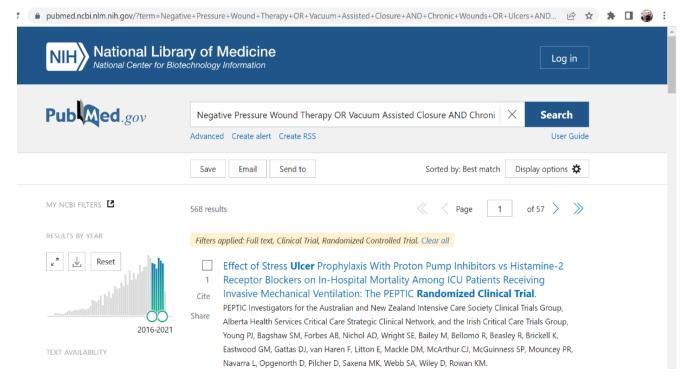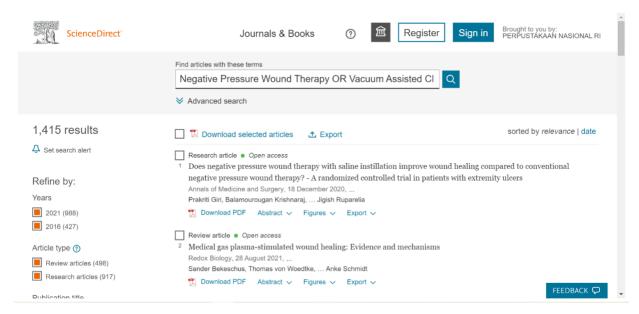

Figure S4 Screenshot of the screening results in ScienceDirect (2016-2021)

Fixed and Random Effects			
	Q	**df**	**p**
Omnibus test of Model Coefficients	9.083	1	0.003
Test of Residual Heterogeneity	41.663	14	<0.001
Note. *p*-values are approximate.			
Note. The model was estimated using Restricted ML method.			

Coefficients						
					95% Confidence Interval	
	Estimate	**Standard Error**	**z**	**p**	**Lower**	**Upper**
intercept	0.243	0.081	3.014	0.003	0.085	0.400
Note. Wald test.						

Residual Heterogeneity Estimates			
		95% Confidence Interval	
	Estimate	**Lower**	**Upper**
τ^2	0.056	0.013	0.173
τ	0.238	0.114	0.416
I² (%)	66.701	31.706	85.986
H²	3.003	1.464	7.136

Rank correlation test for Funnel plot asymmetry		
	Kendall's τ	**p**
Rank test	0.115	0.552

Regression test for Funnel plot asymmetry ("Egger's test")		
	z	**p**
sei	0.447	0.655

File Drawer Analysis			
	Fail-safe N	**Target Significance**	**Observed Significance**
Rosenthal	137.000	0.050	<0.001