



ACCREDITED SINTA 2  
DIKTI No 85/M/KPT/2020

# JURNAL MANAJEMEN DAN PELAYANAN FARMASI

(Journal of Management and Pharmacy Practice)

Menu

Home About User Home Search Current Archives Announcements Statistics Indexing & Abstracting Journal History Contact

Home > User > Author > Submissions > #57922 > Summary

## #57922 Summary

SUMMARY REVIEW EDITING

### Submission

Authors	Lili Musnelina, Jenny Pontoan, Bagus Atmana Prasetya
Title	Relationship between Dose and Retention of Methadon Maintenance Therapy to Drug Dependence Patients in Primary Health Care
Original file	57922-177226-1-SM.DOCX 2020-07-17
Supp. files	57922-180493-1-SP.PDF 2020-08-15
Submitter	Jenny Pontoan
Date submitted	July 17, 2020 - 08:48 PM
Section	Articles
Editor	Jurnal Manajemen dan Pelayanan Farmasi (JMPPF)
Author comments	<p>Kepada Yth,</p> <p>Editor Jurnal Manajemen dan Pelayanan Farmasi</p> <p>Di Tempat</p> <p>Dengan hormat,</p> <p>Bersama ini saya kirimkan Artikel untuk disubmit dalam Jurnal yang Bapak/Ibu Pimpin.</p> <p>Demikian permohonan saya, atas kerjasamanya diucapkan terimakasih.</p> <p>Hormat saya,</p> <p>Jenny Pontoan</p>
Abstract Views	1021

### Status

Status	Published Vol 11, No 1
Initiated	2021-03-31
Last modified	2021-04-21

### Submission Metadata

#### Authors

Name	Lili Musnelina
Google Scholar ID Link	<a href="https://scholar.google.com/citations?user=P4ktO08AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=P4ktO08AAAAJ&amp;hl=en</a>
Affiliation	Faculty of Pharmacy, Institute of Science and Technology, Jakarta
Country	Indonesia
Bio Statement	Fakultas Farmasi
Principal contact for editorial correspondence.	
Name	Jenny Pontoan
ORCID ID	<a href="https://orcid.org/0000-0002-1007-1120">https://orcid.org/0000-0002-1007-1120</a>

focus &amp; scope

Author Guidelines

Author Fees

Online Submission

Publication Ethics

Screening For Plagiarism

Editorial Board

Visitor Statistics

TEMPLATE



Article  
template

STATEMENT OF ORIGINALITY



REFERENCE TOOLS



USER

You are logged in as...

**jennypontoan**

- ▶ My Journals
- ▶ My Profile
- ▶ Log Out

NOTIFICATIONS

- ▶ View (17 new)
- ▶ Manage

AUTHOR

ORCID ID	<a href="http://orcid.org/0000-0003-4707-1120">http://orcid.org/0000-0003-4707-1120</a>
Google Scholar ID Link	<a href="https://scholar.google.com/citations?user=E9RfwaUAAAAJ&amp;hl=id">https://scholar.google.com/citations?user=E9RfwaUAAAAJ&amp;hl=id</a>
Affiliation	Faculty of Pharmacy, Institute of Science and Technology, Jakarta
Country	Indonesia
Bio Statement	Fakultas Farmasi
Name	Bagus Atmana Prasetya 
Affiliation	Faculty of Pharmacy, Institute of Science and Technology, Jakarta
Country	Indonesia
Bio Statement	—

## Title and Abstract

**Title** Relationship between Dose and Retention of Methadone Maintenance Therapy to Drug Dependence Patients in Primary Health Care

**Abstract** Methadone maintenance therapy is one of the substitution therapies needed as an approach to *harm reduction* or the reduction of the adverse effects of drug abuse. This study aims to fix the infinitive relationship doses with retention of drug dependence patients on methadone maintenance therapies program (PTRM) in Kramat Jati Primary Health Care in 2009-2018. A cross-sectional study is conducted using secondary data from medical records subsequently significance analysis. This research involves 136 patients who were included in the inclusion criteria. Results shown mean initial doses received is 27,65 mg (10-40 mg), after 2 weeks of therapy mean doses received are 51,6 mg (range 22,5 – 85 mg). Average lowest and highest maintenance dose which received is 30,9 mg (range 0,25-115 mg) dan 84,39 mg (range 7,77-126,92 mg). This research shows the retention value 1 year or more reaches 64,71%. Maintenance doses 2 weeks (P=0,005), lowest maintenance doses (P=0,000), average maintenance doses (P=0,004), and history misses doses (P=0,000) have significance with retention. The conclusion that the more optimal maintenance doses received, even more in methadone maintenance therapies. Otherwise, lower missed doses frequency better to patients retention in methadone maintenance therapies.

## Indexing

**Keywords** Doses; Methadone; PTRM; Retention  
**Language** en

## Supporting Agencies

**Agencies** —

## References

- References**
1. Kumar MS. *Methadone Maintenance Treatment Intervention Toolkit*. United Nations Office on Drugs and Crime, Regional Office for South Asia Author; 2012.
  2. Peraturan Menteri Kesehatan Republik Indonesia Nomor 57 Tahun 2013 Tentang Pedoman Penyelenggaraan Program Terapi Rumatan Metadona. Jakarta: Kementerian Kesehatan Republik Indonesia; 2013.
  3. Kalvik A, Isaac P. The Importance of Missed Doses in Methadone Maintenance Treatment (MMT). *Fall-Pharmacy Connection*. 2013;22-24.
  4. Bao Y, Liu Z, Epstein DH, Du C, Shi J, Lu L. A Meta-Analysis of Retention in Methadone Maintenance by Dose and Dosing Strategy. *Am J Drug Alcohol Abuse*. 2009 ; 35(1): 28–33. DOI:10.1080/00952990802342899. Available in PMC 2013 June 21.
  5. Maurice Dematteis M, Auriacombe M, D'Agnone O, Somaini L, Szerman N, Littlewood R, Alam F, Alho H, Benyamina A, Bobes J, Daulouede JP, Leonardi C, Maremmanni I, Torrens M, Walcher S, Soyka M. Review Recommendations for Buprenorphine and Methadone Therapy in Opioid Use Disorder: A European consensus. *Expert Opinion on Pharmacotherapy*. 2017:1-44. DOI: 10.1080/14656566.2017.1409722.
  6. Christie TKS, Murugesan A, Manzer D, O'Shaughnessey MV, and Webster D. Evaluation of a Low-Threshold/High-Tolerance Methadone Maintenance Treatment Clinic in Saint John, New Brunswick, Canada: One Year Retention Rate and Illicit Drug Use. *Journal of Addiction*. 2013:1-5. [Http://dx.doi.org/10.1155/2013/753409](http://dx.doi.org/10.1155/2013/753409).
  7. Maremmanni AGI, Pacini M, and Maremmanni I. What We Have Learned From The Methadone Maintenance Treatment of Dual Disorder Heroin Use Disorder patients. *International Journal of Environmental Research and Public Health*. 2019;16: 447. DOI:10.3390/ijerph16030447.
  8. Nicholls L, Bragaw L, Ruetsch C. Opioid Dependence Treatment and Guidelines. Supplement to *Journal of Managed Care Pharmacy*. 2010; 16(1): 14-21. [www.amcp.org](http://www.amcp.org).
  9. Lee SY, Chen SL, Chang YH, Chen PS, Huang SY, Tzeng NS, Wang LJ, Lee IH, Wang TY, Chen KC, Yang YK, Hong JS, Lu RB. Low-Dose Memantine Attenuated Methadone Dose in Opioid Dependent Patients: a 12-Week Double-Blind Randomized Controlled Trial. *Scientific Reports*. 2015:1-10. DOI: 10.1038/srep10140.
  10. Amato L, Davoli M, Minozzi S, Ferroni E, Ali R, Ferri M. Methadone at Tapered Doses for The Management of Opioid Withdrawal. *Cochrane Database of Systematic Reviews* 2013, Issue 2. Art. No.: CD003409. DOI: 10.1002/14651858.CD003409.pub4.
  11. Zhang L, Chow EPF, Zhuang X, Liang Y, Wang Y, Tang C, Ling L, Tucker JD, Wilson DP. Methadone Maintenance Treatment Participant Retention and Behavioral Effectiveness in China: A Systematic Review and Meta-Analysis. *PLoS ONE*. 2013;8(7):e68906. DOI:10.1371/journal.pone.0068906.
  12. Rambe R, Harahap U, Tarigan CJ. Influence of Dosage on Retention in Patients Methadone Maintenance

## Submissions

- ▶ Active (0)
- ▶ Archive (1)
- ▶ New Submission

## JOURNAL CONTENT

### Search

### Search Scope

All 

Search

### Browse

- ▶ By Issue
- ▶ By Author
- ▶ By Title
- ▶ Other Journals

## INFORMATION

- ▶ For Readers
- ▶ For Authors
- ▶ For Librarians

## KEYWORDS

Diabetes EQ-5D-5L  
 Indonesia JKN  
 Pengelolaan Obat  
 Puskesmas apotek  
 apoteker clinical  
 outcome cost analysis  
 hypertension  
 ketersediaan obat  
 knowledge kualitas  
 hidup medication therapy  
 management outcome  
 klinik persepsi  
 pharmaceutical care  
 pharmacy quality of  
 life rumah sakit

- Therapy Program for Maintenance Phase of H. Adam Malik Medan Central General Hospital. *Asian Journal of Pharmaceutical and Clinical Research*. 2018;11(8):244-247. DOI: <http://dx.doi.org/10.22159/ajpcr.2018.v11i8.24743>.
13. Fathollahi MS, Torkashvand F, Najmeddin H, and Rezaeian M. Predictors of One-Year Retention in Methadone Maintenance Treatment (MMT) in Iran, Rafsanjan. *Int J High Risk Behav Addict*. 2016;5(3):e29121. DOI: 10.5812/ijhrba.29121.
  14. Ismi AN. Efektivitas Program Terapi Rumatan Metadon Bagi Pecandu Heroin Di Puskesmas Kecamatan Tebet. *Skripsi*. Jakarta: Program Studi Kesejahteraan Sosial, Fakultas Dakwah dan Ilmu Komunikasi, Universitas Islam Negeri Syarif Hidayatullah; 2014.
  15. Pahlemy H. Hubungan Dosis Dan Retensi Pada Terapi Rumatan Metadon Multiepisode Di Rumah Sakit Ketergantungan Obat Jakarta dan Rumah Sakit Umum Pusat Fatmawati. *Tesis*. Jakarta; Fakultas Matematika dan Ilmu Pengetahuan Alam Program Magister Ilmu Kefarmasian Universitas Indonesia; 2010.
  16. Pratiwi I, Arsyad DS, Ansar J. Faktor Yang Berhubungan Dengan Kepatuhan Berobat Terapi Rumatan Metadon di Puskesmas Kassi Kassi Kota Makassar. Makassar; *Hasanuddin University Repository*: 2014. OAI:repository.unhas.ac.id:123456789/9386. <http://repository.unhas.ac.id>.
  17. Diong SH, Yusoff NSM, Sim MS, Aziddin RER, Chik Z, Rajan P, Rashid RA, Chemi N and Mohamed Z. Quantitation of Methadone and Metabolite in Patients under Maintenance Treatment. *Journal of Analytical Toxicology*. 2014;38:660-666. DOI:10.1093/jat/bku096.
  18. Soyka M, Zingg C, Koller G, and Kuefner H. Retention Rate And Substance Use In Methadone And Buprenorphine Maintenance Therapy And Predictors of Outcome: Results From A Randomized Study. *International Journal of Neuropsychopharmacology*. 2008;11: 641-653. DOI: 10.1017/S146114570700836.
  19. Baxter K and Preston CL., (ed). *Stockley's Drug Interactions*. Tenth edit. London, UK: Pharmaceutical Press; 2013. 1672 p. ISBN: 978-0- 85711-061-9.

©Jurnal Manajemen dan Pelayanan Farmasi

Faculty of Pharmacy  
Universitas Gadjah Mada



00325728 View My Stats