

## DAFTAR PUSTAKA

- Abe, S., Haraga, I., Kiyomi, F., Kumano, H., Gohara, A., Matsumoto, S., dkk., 2018. Bacterial contamination upon the opening of injection needles. *JA clinical reports*, **4**: 61.
- Abed, M.N., Alassaf, F.A., Jasim, M.H.M., Alfahad, M., dan Qazzaz, M.E., 2020. Comparison of Antioxidant Effects of the Proton Pump-Inhibiting Drugs Omeprazole, Esomeprazole, Lansoprazole, Pantoprazole, and Rabeprazole. *Pharmacology*, **105**: 645–651.
- Afiyanti, Y., 2008. Focus Group Discussion sebagai Metode Pengumpulan Data Penelitian Kualitatif. *Jurnal Keperawatan Indonesia*, **12**: 58–62.
- Al-Fadel, N., Mahmoud, M.A., Dabliz, R., Tabbara, O., dan Aljadhey, H., 2016. Implementation of safety standards of compounded sterile preparations in hospital pharmacies: a multinational cross-sectional study. *European Journal of Hospital Pharmacy*, **23**: 339–342.
- Allen, L.V., 2012. Beyond-Use Dates and Stability Indicating Assay Methods in Pharmaceutical Compounding. *Secundum Artem*, **15**: 1–6.
- Allwood, M.C., 1984. Compatibility and Stability of TPN Mixtures In Big Bags. *Journal of Clinical Pharmacy and Therapeutics*, **9**: 181–198.
- Amalia, M.N., Rahmawati, F., dan Nuryastuti, T., 2022. Kontaminasi Bakteri Pada Pencampuran Sediaan Intravena dan Lingkungan Pencampuran Sediaan Intravena di Rumah Sakit. *Majalah Farmaseutik*, **18**: .
- American Society of Health System Pharmacists, 2014. ASHP Guidelines on Compounding Sterile Preparations. *American Journal of Health-System Pharmacy*, **71**: 145–166.
- Anonim, 2014. Undang-Undang Republik Indonesia Nomor 44 Tahun 2009 Tentang Rumah Sakit.

2020. 'RSUD Prof. Dr. Margono Soekarjo'. URL:

<https://www.rsmargono.go.id/prestasi> (diakses tanggal 3/8/2020).

Ansel, H.C., Cucu Aisyah, Ella Elviana, Winny R. Syarif, dan Prince, S.J., 2006. *Kalkulasi Farmasetik : Panduan Untuk Apoteker / Howard C. Ansel, Shelly J. Prince ; Alih Bahasa, Cucu Aisyah, Ella Elviana ; Editor Edisi Bahasa Indonesia, Winny R. Syarif / OPAC Perpustakaan Nasional RI*. EGC, Jakarta.

APhA, 2009. *Drug Information Handbook*, 21th Edition. ed. Lexicomp, America.

Ariana, I.M., 2017. KELAYAKAN MODUL PRAKTIK DASAR-DASAR AKUTANSI BERBASIS SPREADSHEET DENGAN PENDEKATAN SIKLUS TRANSAKSI. *Jurnal Teknodik*, 145–145.

Arikunto, S., 2013. *Prosedur Penelitian : Suatu Pendekatan Praktik*. PT Rineka Cipta, Jakarta.

ASPEN, 1998. 'Safe Practices for Parenteral Nutrition Formulations. National Advisory Group on Standards and Practice Guidelines for Parenteral Nutrition' *Journal of Parenteral and Enteral Nutrition*. URL: <https://pubmed.ncbi.nlm.nih.gov/9527961/> (diakses tanggal 12/6/2020).

Austin, P. dan Elia, M., 2013. Improved aseptic technique can reduce variable contamination rates of ward-prepared parenteral doses. *Journal of Hospital Infection*, **83**: 160–163.

Austin, P.D., Hand, K.S., dan Elia, M., 2015. Systematic review and meta-analysis of the risk of microbial contamination of parenteral doses prepared under aseptic techniques in clinical and pharmaceutical environments: an update. *The Journal of Hospital Infection*, **91**: 306–318.

Azwar, S., 2003. *The Human Attitude: Theory and Measurement*. Pustaka Pelajar, Yogyakarta.

Badri, P.R.A., Rosita, Y., dan Peratiwi, D., 2020. Analisis Faktor-Faktor Yang Mempengaruhi Pengetahuan Masyarakat Tentang Faktor Risiko Hiperurisemia. *Syifa MEDIKA Jurnal Kedokteran dan Kesehatan*, **10**: .

- Bazin, C., Poirier, A.-L., dan Dupoiron, D., 2015. Influence of pH and temperature on ziconotide stability in intrathecal analgesic admixtures in implantable pumps and syringes. *International Journal of Pharmaceutics*, **487**: 285–291.
- Bengtsson, M., 2016. How to Plan and Perform a Qualitative Study Using Content Analysis. *NursingPlus Open*, **2**: 8–14.
- Berteau, C., Filipe-Santos, O., Wang, T., Rojas, H.E., Granger, C., dan Schwarzenbach, F., 2015. Evaluation of the impact of viscosity, injection volume, and injection flow rate on subcutaneous injection tolerance. *Medical Devices (Auckland, N.Z.)*, **8**: 473–484.
- Borg, W.R., Gall, M.D., dan Gall, J.P., 2003. *Educational Research*, Sevent Edition. ed. Allyn and Bacon, Boston.
- Bouchoud, L., Fonzo-Christe, C., Klingmüller, M., dan Bonnabry, P., 2012. Compatibility of Intravenous Medications With Parenteral Nutrition: In Vitro Evaluation. *Journal of Parenteral and Enteral Nutrition*, **37**: 416–424.
- Brown, M.C. dan Valdovinos, K., 2017. Acquisition and Retention of Sterile Compounding Accuracy Skills. *American Journal of Pharmaceutical Education*, **81**: .
- Buchanan, E.C., Schneider, P.J., dan Forrey, R.A., 2018. *Compounding Sterile Preparations*, 4th edition. ed. American Society of Health-System Pharmacists Publications, Bethesda, MD.
- Budiman dan Riyanto, A., 2013. *Capita Selecta Questionnaire Knowledge and Attitudes in Health Research*. Salemba Medika, Jakarta.
- Chandrababu, S., Parveen, S., Bhargavi, K., dan Devasree, S., 2019. Evaluation of Intravenous Admixtures in MICU & General Medicine Department of South Indian Tertiary Care Teaching Hospital. *IOSR Journal of Dental and Medical Sciences*, **18**: 35–41.
- Charan, J. dan Biswas, T., 2013. How to Calculate Sample Size for Different Study Designs in Medical Research? *Indian Journal of Psychological Medicine*, **35**: 121–126.

Creswell, J.W., 2014. *Research Design: Qualitative, Quantitative and Mixed Methods*

*Approaches*, 4th Edition. ed. SAGE Publication, Inc., California 91320.

Cretton-Scott, E., Cruthirds, D., dan Coward, L., 2015. Incorporation of Hands-On Sterile Technique Instruction in an Introductory Pharmacy Practice Experience. *American Journal of Pharmaceutical Education*, **79**: .

Dennis, V.C., Owora, A.H., dan Kirkpatrick, A.E., 2015. Comparison of Aseptic Compounding Errors Before and After Modified Laboratory and Introductory Pharmacy Practice Experiences. *American Journal of Pharmaceutical Education*, **79**: .

Depkes RI, 2009a. *Pedoman Dasar Dispensing Sediaan Steril*. Departemen Kesehatan Republik Indonesia, Jakarta.

Depkes RI, 2009b. *Pedoman Pencampuran Obat Suntik Dan Penanganan Sediaan Sitostatika*.

Dewi, S.S., Rahmawati, F., dan Pratiwi, S.U.T., 2018. Kontaminasi Bakteri pada Sediaan Campuran Intravena di Bangsal Perawatan Rumah Sakit. *Jurnal Sains Farmasi dan Klinis*, **5**: 7–11.

Driscoll, D.F., 1995. Total Nutrient Admixtures: Theory and Practice. *Nutrition in Clinical Practice*, **10**: 114–119.

Engel, J. dan Lazar, N., 2016. Guidelines for the Establishment of Appropriate Beyond Use Dating of Sterile Compounded Admixtures. *Hospital Pharmacy*, **51**: 654–655.

Fadhilah, N. dan Wulandari, H., 2021. Hubungan Osmolaritas Cairan Infus Dengan Kejadian Flebitis Pada Pasien Neonatus di RS Mitra Husada Pringsewu. *Healthcare Nursing Journal*, **3**: 102–106.

FDA, 2019. 'Human Drug Compounding' *U.S Food and Drug*. URL: <http://www.fda.gov/drugs/guidance-compliance-regulatory-information/human-drug-compounding> (diakses tanggal 20/3/2020).

Fithri, N.K., Handayani, P., dan Vionalita, G., 2016. Faktor-Faktor Yang Berhubungan Dengan

Jumlah Mikroorganisme Udara Dalam Ruang Kelas Lantai 8 Universitas Esa Unggul.

*Forum Ilmiah*, **13**: 21–26.

Flynn, E.A., Pearson, R.E., dan Barker, K.N., 1997. Observational study of accuracy in compounding i.v. admixtures at five hospitals. *American journal of health-system pharmacy: AJHP: official journal of the American Society of Health-System Pharmacists*, **54**: 904–912.

Flynn, J.M., Keogh, S.J., dan Gavin, N.C., 2015. Sterile v aseptic non-touch technique for needle-less connector care on central venous access devices in a bone marrow transplant population: A comparative study. *European Journal of Oncology Nursing: The Official Journal of European Oncology Nursing Society*, **19**: 694–700.

Foster, B.A., Tom, D., dan Hill, V., 2014. Hypotonic versus isotonic fluids in hospitalized children: a systematic review and meta-analysis. *The Journal of Pediatrics*, **165**: 163-169.e2.

Gokani, R.H. dan Desai, K.N., 2012. Stability Study : Regulatory Requirement. *International Journal of Advances in Pharmaceutical Analysis*, **2**: 73–78.

Greenhill, K., Hornsby, E., dan Gorman, G., 2019. Investigations of Physical Compatibilities of Commonly Used Intravenous Medications with and without Parenteral Nutrition in Pediatric Cardiovascular Intensive Care Unit Patients. *Pharmaceuticals (Basel, Switzerland)*, **12**: 67.

Handayani, T.W., 2017. Faktor Penyebab Medication Error di RSUD Anutapura Kota Palu. *Jurnal Pengembangan Sumber Daya Insani*, **2**: 224–229.

Hapsari, I., Marchaban, M., Wiedyaningsih, C., dan Kristina, S., 2018. The Extemporaneous Compounding at Primary Health Care Centers: Characteristic and Personnel. *Global Journal of Health Science*, **10**: p112.

Hastono, S.P., 2006. *Analisis Data*. Universitas Indonesia, Jakarta.

Hendarto, A. dan Nasar, S.S., 2002. Aspek Praktis Nutrisi Parenteral pada Anak. *Sari Pediatri*, **3**: 227–234.

Hernandez-Ramos, I., Garcia-Gaitan, E., Leon-Ramirez, A., Gaitan-Meza, J., Justiniani-Cedeno, N., dan Avila-Figuerora, C., 2000. Extrinsic Contamination Of Intravenous Infusates Administered To Hospitalized Children In Mexico. *The Pediatric Infectious Disease Journal*, **19**: 888–890.

HiMedia, 2021a. 'Cetrimide Agar'. URL: <https://www.himedialabs.com/intl/en/products/Clinical-Microbiology/Diagnostic-Media-for-Bacteria-Pseudomonas/Cetrimide-Agar-MH024> (diakses tanggal 30/8/2021).

HiMedia, 2021b. 'Sabouraud Dextrose Agar'. URL: <https://www.himedialabs.com/intl/en/products/Clinical-Microbiology/General-Purpose-Media-Fungi/Sabouraud-Dextrose-Agar-MH063> (diakses tanggal 30/8/2021).

Hoffmann, D., 2006. Review: Uwe Flick (2004). Triangulation. Eine Einführung [Triangulation. An Introduction]. *Forum Qualitative Sozialforschung / Forum: Qualitative Social Research*, **7**: .

Hunt, J., 2018. Aseptic Technique and Clean Technique Procedure.

Hutchinson, H.M., Sayre, B.E., Prettyman, T., dan King, E., 2017. Evaluating Sterility of Single Dose Vials on an Automated Compounding Device. *Hospital Pharmacy*, **52**: 286–293.

ISO, 2015. ISO 14644-1:2015(en), Cleanrooms and associated controlled environments — Part 1: Classification of air cleanliness by particle concentration.

Jick, T.D., 1979. Mixing Qualitative and Quantitative Methods: Triangulation in Action. *Administrative Science Quarterly*, **24**: 602.

Kartamihardja, H., Warya, S., Tristiyanti, D., Ferdiansyah, R., Rachmaniar, R., Desnera, Y.,

dkk., 2005. *Modul Praktikum Teknologi Formulasi Sediaan Steril*, 2nd Edition. ed.

American Society of Health-System Pharmacists, Bethesda, Maryland, USA.

Kemenkes, 2014. *Farmakope Indonesia*, Edisi V. ed. Direktorat Jenderal Bina Kefarmasian  
dan Alat Kesehatan Kementerian Kesehatan RI, Jakarta.

Kemenkes, R., 2022. Keputusan Menteri Kesehatan Republik Indonesia Nomor  
HK.01.07/Menkes/1128/2022 tentang Standar Akreditasi Rumah Sakit.

Kemenkes RI, 2011. Peraturan Menteri Kesehatan Republik Indonesia Nomor  
1077/Menkes/Per/V/2011 tentang Pedoman Penyehatan Udara Dalam Ruang Rumah.

Kemenkes RI, 2016. Peraturan Menteri Kesehatan Republik Indonesia Nomor 72 Tahun 2016  
Standar Pelayanan Kefarmasian di Rumah Sakit.

Kemenkes RI, 2019a. Peraturan Menteri Kesehatan Republik Indonesia Nomor 7 Tahun 2019  
Tentang Kesehatan Lingkungan Rumah Sakit.

Kemenkes RI, 2019b. Peraturan Menteri Kesehatan Republik Indonesia Nomor 26 Tahun 2019  
Tentang Peraturan Pelaksanaan Undang-Undang Nomor 38 Tahun 2014 Tentang  
Keperawatan.

Khalili, H., Sheikhabayi, M., Samadi, Nasser, Jamalifar, H., Dalili, D., dan Samadi, Nasrin,  
2013. Bacterial Contamination of Single- and Multiple-Dose Vials after Multiple Use  
and Intravenous Admixtures in Three Different Hospitals in Iran. *Iranian Journal of  
Pharmaceutical Research*, **12**: 205–209.

Kusuma, Y. dan Pinatih, K.J.P., 2019. Efek Sinergis Kombinasi Chlorhexidine dan Alkohol  
Terhadap Daya Hambat Pertumbuhan *Staphylococcus Aureus*. *E-Jurnal Medika  
Udayana*, **8**: .

Lachman, L., 1986. *The Theory and Practice of Industrial Pharmacy*, 3rd Edition. ed. LEA  
and Febiger, Philadelphia.

- Lawrence, J., Turner, M., dan Gilbert, P., 1988. Microbial contamination and growth in total parenteral nutrition solutions. *Journal of Clinical Pharmacy and Therapeutics*, **13**: 151–157.
- Lehoux, P., Poland, B., dan Daudelin, G., 2006. Focus Group Research and “The Patient’s View.” *Social Science & Medicine* (1982), **63**: 2091–2104.
- Lemeshow, S., Hosmer, D.W., Klar, J., dan Lwanga, S.K., 1997. *Besar Sampel Dalam Penelitian Kesehatan (Terjemahan)*. Gadjah Mada University Press, Yogyakarta.
- Lobo, B.W., da Veiga, V.F., Cabral, L.M., Michel, R.C., Volpato, N.M., dan de Sousa, V.P., 2012. Influence of the relative composition of trace elements and vitamins in physicochemical stability of total parenteral nutrition formulations for neonatal use. *Nutrition Journal*, **11**: 26.
- Lutpiatina, L., 2017. Cemarkan *Staphylococcus aureus* dan *Pseudomonas aerogenosa* pada Stetoskop di Rumah Sakit. *Jurnal Teknologi Laboratorium*, **6**: 61–66.
- Macias, A.E., Huertas, M., Ponce de Leon, S., Munoz, J.M., Chavez, A.R., Sifuentes-Osornio, J., dkk., 2010. Contamination of intravenous fluids: A continuing cause of hospital bacteremia. *American Journal of Infection Control*, **32**: 217–221.
- Maharani, L., Astuti, A., dan Achmad, A., 2014. Parenteral Admixture Compatibility in Neurosurgery Ward in Prof. Dr. Margono Soekarjo Regional Public Hospital. *Indonesian Journal of Clinical Pharmacy*, **3**: 1–9.
- Maharani, L., Utami, E.D., dan Achmad, A., 2013. Pengaruh Edukasi Apoteker Terhadap Sikap Dan Pengetahuan Perawat Tentang Pencampuran Sediaan Parenteral. *Jurnal Keperawatan Soedirman*, **8**: 87–91.
- Martin, M., 2018. Basics of Sterile Compounding: Criteria for Determining Beyond-use Dating. *International Journal of Pharmaceutical Compounding*, **22**: 303–312.



McKinnon, B.T., 1996. FDA Safety Alert: Hazards of Precipitation Associated with Parenteral

Nutrition. *Nutrition in Clinical Practice: Official Publication of the American Society for Parenteral and Enteral Nutrition*, **11**: 59–65.

McNab, S., Ware, R.S., Neville, K.A., Choong, K., Coulthard, M.G., Duke, T., dkk., 2014.

Isotonic versus hypotonic solutions for maintenance intravenous fluid administration in children. *The Cochrane Database of Systematic Reviews*, CD009457.

Melviya, Yuliani, S.H., dan Putri, D.C.A., 2019. Evaluasi Peracikan Sediaan Steril untuk Pasien Pediatri Rawat Inap di Rumah Sakit “ X ” Kota Semarang , Indonesia. *Jurnal Manajemen dan Pelayanan Farmasi*, **8**: 128–135.

Miles, M.B., Huberman, A.M., dan Saldana Johnny, 2019. *Qualitative Data Analysis*, 4th Edition. ed. SAGE Publication, Inc.

Ministry of Health Malaysia, 2018. *Good Compounding Practice*. Centre for Compliance and Licensing National Pharmaceutical Regulatory Agency Ministry of Health Malaysia, Malaysia.

Mirtallo, J., Canada, T., Johnson, D., Kumpf, V., Petersen, C., Sacks, G., dkk., 2004. Safe Practices for Parenteral Nutrition. *Journal of Parenteral and Enteral Nutrition*, **28**: 39–70.

Morris, A.M., Schneider, P.J., Pedersen, C.A., dan Mirtallo, J.M., 2003. National survey of quality assurance activities for pharmacy-compounded sterile preparations. *American journal of health-system pharmacy: AJHP: official journal of the American Society of Health-System Pharmacists*, **60**: 2567–2576.

Nemec, E.C., Petraglia, C., dan Mattison, M.J., 2016. Design Considerations of a Compounded Sterile Preparations Course. *American Journal of Pharmaceutical Education*, **80**: .

Neville, M.W., Palmer, R., Elder, D., Fulford, M., Morris, S., dan Sappington, K., 2015. Evaluating the Effects of Flexible Learning about Aseptic Compounding on First-year

Students in a Pharmacy Skills Laboratory. *American Journal of Pharmaceutical Education*, **79**: .

Nguyen, H.T., Nguyen, T.D., Van Den Heuvel, E.R., Haaijer-Ruskamp, F.M., dan Taxis, K., 2015. Medication errors in Vietnamese hospitals: Prevalence, potential outcome and associated factors. *PLoS ONE*, **10**: 1–12.

Notoatmodjo, S., 2003. *Education and Health Behavior*. PT Rineka Cipta, Jakarta.

Notoatmodjo, S., 2010a. *Behavioral Health Sciences*. Rineka Cipta, Jakarta.

Notoatmodjo, S., 2010b. *Metodologi Penelitian Kesehatan*, Edisi Revisi. ed. Rineka Cipta, Jakarta.

Nurdiyani, F., 2018. 'Problem Sterilitas pada Pencampuran Sediaan Intravena di Bangsal Perawatan Rumah Sakit PKU Muhammadiyah Kota Yogyakarta'. Universitas Gadjah Mada, Fakultas Farmasi.

Pangestika, R.W., 2022. Hubungan Usia, Pendidikan, dan Lama Bekerja dengan Pengetahuan Tenaga Kesehatan tentang Inkompatibilitas Sediaan Intravena. *Media Farmasi*, **18**: 36–41.

Paramita, A. dan Kristiana, L., 2013. Teknik Focus Group Discussion dalam Penelitian Kualitatif. *Buletin Penelitian Sistem Kesehatan*, **16**: .

Polit, D.F., Beck, C.T., dan Owen, S.V., 2007. Is the CVI an acceptable indicator of content validity? Appraisal and recommendations. *Research in Nursing & Health*, **30**: 459–467.

PubChem, n.d. 'Hazardous Substances Data Bank (HSDB): 3575'. URL: <https://pubchem.ncbi.nlm.nih.gov/source/hsdb/3575#section=Dissociation-Constants> (diakses tanggal 8/2/2023).

Putri, D.C.A. dan Yuliani, S.H., 2018. Evaluasi Peracikan Injeksi Seftriakson di Salah Satu Rumah Sakit Swasta di Semarang. *Jurnal Farmasi Klinik Indonesia*, **7**: 143–153.

- Ramanath, K.V. dan Hymavathi, R., 2012. Assessment of Intravenous Admixtures in Hospitalized Patients of a Rural Tertiary Care Teaching Hospital. *American Journal of Pharmtech Research*, **2**: .
- Ranti, Y., Mongi, J., Sambow, C., dan Karauwan, F., 2021. Evaluasi Sistem Penyimpanan Obat Berdasarkan Standar Pelayanan Kefarmasian di Apotek M Manado. *Jurnal Biofarmasetikal Tropis*, **4**: 80–87.
- Rashati, D., 2017. Pengaruh Variasi Suhu Penyimpanan Terhadap Stabilitas Fisik Suspensi Amoxicillin. *Jurnal Ilmiah Farmasi AKFAR*, **2**: 27–32.
- Ratka, A., Demps, E., dan Mack, A., 2012. The Effect of Prior Experience With Aseptic Techniques on Learning Outcomes in a Sterile Compounding Laboratory Course. *Currents in Pharmacy Teaching and Learning*, **4**: 19–28.
- Reed, M.D., Perry, E.B., Fennell, S.J., Brissie, W.O., dan Ball, W.D., 1979. Antibiotic Compatibility and Stability in a Parenteral Nutrition Solution. *Chemotherapy*, **25**: 336–345.
- Riris, E. dan Kuntarti, K., 2014. Knowledge of Intravenous Therapy Relates to Nurse Behavior in the Prevention of Phlebitis. *Indonesian Nursing Journal*, **17**: 108–118.
- Rohmah, N., 2020. Hubungan Faktor Sosiodemografi Dengan Tingkat Pengetahuan Akseptor Terhadap Kontrasepsi Suntik Yang Mengandung Medroksiprogesteron Asetat Dan Estradiol Cypionate Di Puskesmas Kota Malang. *Pharmaceutical Journal of Indonesia*, **6**: 7–13.
- Sandle, T., 2013. *Sterility, Sterilisation and Sterility Assurance for Pharmaceuticals : Technology, Validation and Current Regulations*. Woodhead Publishing Limite.
- Santell, J.P. dan Kamalich, R.F., 1996. National survey of quality assurance activities for pharmacy-prepared sterile products in hospitals and home infusion facilities—1995. *American Journal of Health-System Pharmacy*, **53**: 2591–2605.

Sayed, O.A.E.-A., Hassan, S.B., Abdelkader, A., Elsabahy, M., Abdelaziz, N.H.R., dan El-

Sayed, A.M., 2021. Stability Study and Clinical Evaluation of Lipid Injectable Emulsion in Parenteral Nutrition Admixtures Used for Preterm Neonates. *Nutrition in Clinical Practice: Official Publication of the American Society for Parenteral and Enteral Nutrition*, **36**: 696–703.

Sekaran, 2003. *Research Methods for Business : A Skill-Building Approach*, 4th ed. John Wiley and Sons, New York.

Selenic, D., Dodson, D.R., Jensen, B., Arduino, M.J., Panlilio, A., dan Archibald, L.K., 2003. Enterobacter cloacae bloodstream infections in pediatric patients traced to a hospital pharmacy. *American Journal of Health-System Pharmacy*, **60**: 1440–1446.

Simanjuntak, P.J., 2005. *Manajemen Dan Evaluasi Kinerja*. Lembaga Penerbit Fakultas Ekonomi Universitas Indonesia, Jakarta.

Singer, P., Berger, M.M., Berghe, G.V. den B., Biolo, G., Calder, P., Forbes, A., dkk., 2009. ESPEN Guidelines on Parenteral Nutrition: Intensive Care. *Clinical Nutrition*, **28**: 387–400.

Singht, N., Rani, M., dan Kumari, Priyanka, 2016. Assessment of Knowledge of Staff Nurses Regarding Aseptic Techniques at Selected Hospital -A Descriptive Survey Study. *International Journal of Health Sciences and Research*, **6**: 290–294.

Sivertsen, M.S., Jørstad, Ø.K., Grevys, A., Foss, S., Moe, M.C., dan Andersen, J.T., 2018. Pharmaceutical compounding of aflibercept in prefilled syringes does not affect structural integrity, stability or VEGF and Fc binding properties. *Scientific Reports*, **8**: 2101.

Stawny, M., Gostyńska, A., Dettlaff, K., Jelińska, A., Główska, E., dan Ogrodowczyk, M., 2019a. Effect of Lipid Emulsion on Stability of Ampicillin in Total Parenteral Nutrition. *Nutrients*, **11**: 559.

Stawny, M., Nadolna, M., dan Jelińska, A., 2019b. In vitro compatibility studies of vancomycin

with ready-to-use parenteral nutrition admixtures for safer clinical practice. *Clinical Nutrition*, .

Stucki, C., Sautter, A.-M., Favet, J., dan Bonnabry, P., 2009. Microbial contamination of syringes during preparation: the direct influence of environmental cleanliness and risk manipulations on end-product quality. *American journal of health-system pharmacy: AJHP: official journal of the American Society of Health-System Pharmacists*, **66**: 2032–2036.

Sugiyono, 2018. *Metode Penelitian Kualitatif*, Edisi ke-3. ed. Alfabeta, Bandung.

Sugiyono, 2019. *Metode Penelitian dan Pengembangan*, Cetakan ke-4. ed. Alfabeta, Bandung.

Sulistiyani dan Zulaikhah, S.T., 2006. Beberapa Faktor yang Berhubungan dengan Kontaminasi Mikroorganisme pada Jamu Gendong Di Kota Semarang. *Majalah Ilmiah Biologi Biosfera*, **23**: 118–123.

Suvikas-Peltonen, E., Hakoinen, S., Celikkayalar, E., Laaksonen, R., dan Airaksinen, M., 2017. Incorrect aseptic techniques in medicine preparation and recommendations for safer practices: A systematic review. *European Journal of Hospital Pharmacy*, **24**: 175–181.

Syahfurachman, A., Chatim, A., Soebandrio, A., Karuniawati, A., Santoso, Harun, B., dkk., 2016. *Buku Ajar Mikrobiologi Kedokteran*, Edisi Revisi. ed. Binarupa Aksara Publisher, Jakarta.

Thomas, M., Sanborn, M.D., dan Couldry, R., 2005. I.V. admixture contamination rates: Traditional practice site versus a class 1000 cleanroom. *American Journal of Health-System Pharmacy*, **62**: 2386–2392.

Tojib, D.R. dan Sugianto, L.-F., 2006. Content Validity of Instruments in IS Research. *Journal of Information Technology Theory and Application*, **8**: 31–56.

Tomczak, S., Stawny, M., Dettlaff, K., Kieliszek, M., Słomińska, D., dan Jelińska, A., 2019.

Physicochemical Compatibility and Stability of Linezolid with Parenteral Nutrition.

*Molecules (Basel, Switzerland)*, **24**: 1242.

Toyon, M.A.S., 2021. Explanatory sequential design of mixed methods research: Phases and challenges. *International Journal of Research in Business and Social Science*, **10**: 253–260.

Trissel, L.A., 2009. *Handbook on Injectable Drugs*, 15th ed. American Society of Health-System Pharmacists, Maryland.

Ulfa, F.N., Efta Triastuti, dan Achmad, A., 2017. Uji Kesesuaian Aseptic Dispensing Berdasarkan Pedoman Dasar Dispensing Sediaan Steril Departemen Kesehatan RI di ICU dan NICU RSUD Dr . Saiful Anwar Malang. *Pharmaceutical Journal of Indonesia*, **3**: 33–38.

USP, 2008. General Chapter <797> Pharmaceutical Compounding – Sterile Preparations, dalam: *United States Pharmacopeia - NF*. The United States Pharmacopeial Convention, Rockville.

USP, 2016. General Chapter <661.1> Plastic Materials of Construction, dalam: *United States Pharmacopeia - NF*. The United States Pharmacopeial Convention, Rockville.

USP, 2018. General Chapter <1075> Good Compounding Practices, dalam: *USP 31*. The United States Pharmacopeial Convention, Rockville, hal. 500.

USP, 2020a. General Chapter <659> Packaging and Storage Requirements, dalam: *United States Pharmacopeia - NF*. The United States Pharmacopeial Convention, Rockville.

USP, 2020b. General Chapter <660> Containers—Glass, dalam: *United States Pharmacopeia - NF*. The United States Pharmacopeial Convention, Rockville.

Van Eeuwijk, P. dan Angehrn, Z., 2017. *How to Conduct a Focus Group Discussion (FGD)*. University of Basel, Basel.

Watrobska-Swietlikowska, D., Pietka, M., dan Klek, S., 2019. Evaluation of Y-site

compatibility of home total parenteral nutrition and intravenous loop diuretics.

*Medicine*, **98**: e15747.

Wawan, A. dan Dewi, M., 2011. *Measurement Theory of Knowledge, Attitudes and Human Behavior*, 1st ed. Nuha Medika, Yogyakarta.

Widayani, S.S., Yuliani, S.H., dan Putri, D.C.A., 2018. Compounding Sterile Preparations For Intensive Care Unit Patients (ICU) in One Private Hospital In Semarang. *Journal of Pharmaceutical Sciences and Community*, **15**: 72–80.

Widyastari, T., Harlia, E., dan Marlina, E.T., 2015. Efektivitas Kulit Daun Lidah Buaya sebagai Desinfektan Alami terhadap Daya Hambat dan Penurunan Jumlah Bakteri Total di Ruang Penampungan Susu. *Students e-Journal*, **4**: 1–9.

Wulandari, E., 2014. Faktor yang Berhubungan Dengan Keberadaan Streptococcus di Udara pada Rumah Susun Kelurahan Bandarharjo Kota Semarang Tahun 2013. *Unnes Journal of Public Health*, **2**: .

Yailian, A.-L., Serre, C., Fayard, J., Faucon, M., Thomaré, P., Filali, S., dkk., 2019. Production and stability study of a hospital parenteral nutrition solution for neonates. *Journal of Pharmaceutical Analysis*, **9**: 83–90.