Daftar Pustaka

(n.d.).

Adham, M., Antonius, K. N., & Ika, A. (2012). Nasopharyngeal Carcinoma in Indonesia. *Chinese Journal of Cancer, 31*(4), 185-196.

Ang Yuan, C.-J. Y.-T.-J.-Y.-H. (2000). *Quantification of VEGF mRNA Expression in Non-Small Cell Lung Cancer Using a Real-Time Quantitative Reverse .* Laboratory Investigation.

Bai, L. (2006). p53: Structure, Function and Therapeutic Applications. *Online Serial*, Online Serial.

Baritaki, S., Sifakis, S., Huerta-Yepez, Neonakis, I., Soufla, G., & Bonavida, B. (2007). Overexpression of VEGF and TGF-beta1 mRNA in Pap smears correlates with progression of cervical intraepithelial neoplasia to cancer: implication of YY1 in cervical tumori. *International journal of oncology*, 69-79.

Barrett-Lee, P., Bokemeyer, C., Gascón, P., Nortier, J., Schneider, M., & Schrijvers, D. (2005). Management of cancer-related anemia in patients with breast or gynecologic cancer: new insights based on results from the european cancer anemia survey. *The Oncologist*, 10: 743-57.

Bauknecht, T., Jundt, F., Herr, I., Oehler, T., Delius, H., & Shi, Y. (1995). A switch region determines the cell type-specific positive or negative action of YY1 on the activity of the human papillomavirus type 18 promoter. *Journal of virology*, 1-12.

Bauknecht, T., See, R., & Shi, Y. (1996). A novel C/EBP beta-YY1 complex controls the cell-type-specific activity of the human papillomavirus type 18 upstream regulatory region. *Journal of virology*, 70(11):7695-705.

Becker, K., Jedlicka, P., Templeton, N., Liotta, L., & Ozato, K. (1994). Characterization of hUCRBP (YY1, NF-E1, delta): a transcription factor that binds the regulatory regions of many viral and cellular genes. *Gene*, 150(2):259-66.

Begon, D., Delacroix, L., Vernimmen, D., Jackers, P., & Winkler, R. (2005). 10. Begon DY, Delacroix L,Yin Yang 1 cooperates with activator protein 2 to stimulate ERBB2 gene expression in mammary cancer cells. *10. Begon DY, Delacroix L, Vernimmen D, Jackers P, Winkler R. Yin Yang 1 cooperates with activator protein 2 to sti The Journal of biological chemistry*, 24428-3.

Berns, K. I., & Bohenzky, R. A. (1987). Adeno-associated viruses: an update. *Journal of Virology*, 243-306.

Bill, M., & Knudsen, M. (2012). Epidermal growth factor receptor-dependent regulation of integrin-mediated signaling and cell cycle entry in epithelial cells. *Molecular and Cellular Biology*, 8586-99.

Boag. (n.d.). *The time-scale of effecets in radiation biology. In. Basic Clinical Radiobiology. 2nd edition.* London: Steel GG. Eds. London:Oxford university Press.

Brockstein, B., & Vokes, E. (2006). Principles of chemotherapy in the management of head and neck cancer. In Bailey, & Calhoun, *Head and Neck Surgery-Otolaryngology* (pp. 1428-41). Philadelpia: Lippincot- William&Wilkins.

Chan, A. T. (2010). Nasopharyngeal carcinoma. *Annals of Oncology 21 (Supplement 7)*, vii308–vii312, 2010.

Chang, E., & Adami, H. (2006). The Enigmatic Epidemiology of Nasopharyngeal Carcinoma. *Cancer Epidemiol Biomarkers Prev*, 1765-77.

Chang, L. S. (1991). The adenovirus DNA-binding protein stimulates the rate of transcription directed by adenovirus and adeno-associated virus promoters. *Journal of Virology*.

Chen, C.-L. T. (2009). Differential gene expression between asymptomatic HBV carriers and normal adults. *Hepatobiliary Pancreas Dis Int.* , 8(4); 383-388.

Chen, C.-L. T. (2009). Differential gene expression between asymptomatic HBV carriers and normal adults. *Hepatobiliary Pancreas Dis Int.;* , 383-388.

Devita, V., Lawrence, T., & Rosenberg, S. (2011). *Cancer Principles & Practice of Oncology.* North America: Lippincott Williams & Wilkins.

Domoto, T. a. (2020). Glycogen Synthase Kinase 3β in Cancer Biology and Treatment. *Cells*, 1388.

Dong, X., & Pfister, H. (1999). Overlapping YY1- and aberrant SP1-binding sites proximal to the early promoter of human papillomavirus type 16. *Overlapping YY1- and aberrant SP1-binding sites proximal to the early promoter of human papillomavirus type 16. The Journal of general virology*, 80 (Pt 8):2097-101.

Feldmann, 1.-U., Jund, R., Wollenberg, B., Stadler, P., & Molls, M. (1999). Changes in head and neck tumor hypoxic fraction during split course radiochemotherapy. *Ann Otol Rhinol Laryngol*, 108:73-78.

Feng, Z., Zang, H., Levine, A. J., & Jin, S. (2005). The coordinate regulation of the p53 and mTOR Pathways in cells. 8204-8209.

Flanagan, J. (1995). Autologous stimulation of YY1 transcription factor expression: role of an insulin-like growth factor. Cell growth & differentiation. *The molecular biology journal of the American Association for Cancer Research*, 6(2):185-90.

Flanagan, J., Becker, K., Ennist, D., Gleason, S., Driggers, P., & Levi, B. (1992). Cloning of a negative transcription factor that binds to the upstream conserved region of Moloney murine leukemia virus. *Molecular and cellular biology*, 12(1):38-44.

Franzmann, E., Lilly, S., Huang, D., & Thomas, G. (2006). Oncology of head and neck tumors. In V. D. Water, & Staecker, *Otolaryngology Basic Science and Clinical Review* (pp. 159-71). New York: Thieme.

Friborg, J., Yuan, Wang, R., Koh, W., Lee, H., & Yu, M. (2007). A Prospective Study of Tobacco and Alcohol Use as Risk Factors for Pharyngeal Carcinomas in Singapore Chinese. *Cancer*, 1183-91.

Fridman, J., & Lowe, S. (2003). Control of apoptosis by p53. *Oncogen*, 22(56):9030-40.

Gu, A.-D., Zheng, M.-S., & Qian, C. N. (2012). The Criteria to Confirm the Role of Epstein-Barr Virus in Nasopharyngeal Carcinoma Initiation. *International Journal of Molecular Sciences*, 13737-47.

Gu-Ai-Di, Zheng-Mu-Sheng, & Nan, Q.-C. (2012). The Criteria to Confirm the Role of Epstein-Barr Virus in Nasopharyngeal Carcinoma Initiation. *International Journal of Molecular Sciences*, 13737-13747.

Guigay, J., Temam, S., Bourhis, J., Pignon, J., & Armand, J. (2006). Nasopharyngeal carcinoma and therapeutic management: the place of chemotherapy. *Annals of Oncology*.

Guo, X., Johnson, R., Deng, H., Liao, J., Guan, L., & Nelson, G. (2009). Evaluation of nonviral risk factors for nasopharyngeal carcinoma in a high-risk population of Southern China. *Int. J. Cancer*, 2942-7.

He, G., Hang, Q., Y Zhou, X. W., Wang, L., & Duru, N. (2011). YY1 a novel potential therapeutic target for the treatment of HPV infection-induced cervical cancer by arsenic trioxide. *International journal of ginecologycal cancer*, 1097-104.

Horsman, J. H., & Overgaard, J. (1997). The oxygen effect. In H. J. J, *Overgaard Basic Clinical Radiobiology* (pp. 132-51). Oxford: Oxford University Press Inc.

Hsu, W., Chen, J., & Chien, Y. (2009). Independent Eff ect of EBV and Cigarette Smoking on Nasopharyngeal Carcinoma: A 20-Year Follow-Up Study on 9,622 Males without Family History in Taiwan. *Cancer Epidemiol Biomarkers Prev*, 1218-26.

Hussey, D. (2006). Prinsciple of radiation oncology. In B. B. KH, *Head and Neck Surgery-Otolaryngology* (pp. 1442-55). Philadelphia: Lippincot- William&Wilkins.

Hussey, D. H. (2006). Prinsciple of radiation oncology. In B. Bailey, *Head and Neck Surgery-Otolaryngology* (pp. 1442-55). Philadelphia: 9. Hussey DH. Prinsciple of radiation oncology. In: Bailey BJ. Calhoun KH, editors. Head and Neck Surgery-Otolaryngology. 4nd ed. Philadelphia: Lippincot- William&Wilkins.

Ivyna Bong Pau Ni, P. L. (2006.). Quantitative analysis of the expression of p53 gene in colorectal carcinoma by using real-time PCR. . *Tropical Biomedicine 23(1): 53–59. PMID: 17041552*.

Jun, M., & Sumei, C. (2010). *The Epidemiology of Nasopharyngeal Carcinoma* (1st ed.). German: Springer.

Keiji, T., & Mashiro, N. (2011). Early Detection of Nasopharyngeal Carcinoma. *International Journal of Otorlaryngology*.

Kwok-Wai, L., & Dolly, H. (2002). Genetic and epigenetic changes in nasopharyngeal carcinoma. *Seminars in Cancer Biology*, 451-62.

Lee, J., Galvin, K., See, R., Eckner, R., Livingston, D., & Moran, E. (1995). Relief of YY1 transcriptional repression by adenovirus E1A is mediated by E1A-associated protein p300. *Genes & development*, 9(10):1188-98.

Lee, J., See, R., Galvin, K., Wang, J., & Shi, Y. (1995). Functional interactions between YY1 and adenovirus E1A. *Nucleic acids research*, 23(6):925-31.

Lee, N., & Chan, K. (2008). *Benign & Malignant Lesions of The Nasopharynx.* McGraw-Hill Co, Inc.

Lee, T., Shi, Y., & Schwartz, R. (1992). Displacement of BrdUrd-induced YY1 by serum response factor activates skeletal alpha-actin transcription in embryonic myoblasts. *Proceedings of the National Academy of Sciences of the United States of America*, 89(20):9814-8.

Lee, T., Zhang, Y., & Schwartz, R. (1994). Bifunctional transcriptional properties of YY1 in regulating muscle actin and c-myc gene expression during myogenesis. *Lee TC, Zhang Y, Schwartz RJ. Bifunctional transcriptional properties of YY1 in reguOncogene*, 9(4):1047-52.

Li, M. a. (2019). Zinc-finger protein YY1 suppresses tumor growth of human nasopharyngeal carcinoma by inactivating c-Myc--mediated microRNA-141 transcription. *Journal of Biological Chemistry*, 6172-87.

Liu, R., Baillie, J., Sissons, J., & Sinclair, J. (1994). The transcription factor YY1 binds to negative regulatory elements in the human cytomegalovirus major immediate early enhancer/promoter and mediates repression in non-permissive cells. *Nucleic acids research*, 22(13):2453-9.

Lori, D., Srikumar, S., & al, e. (2006). Genes Involved in DNA Repair and Nitrosamine Metabolism and Those Located on Chromosome 14q32 Are Dysregulated in Nasopharyngeal Carcinoma. *Cancer Epidemiology, Biomarkers & Prevention*, 15(11):2216-2225.

Lui, V., & Grandis, J. (2002). EGFR-mediated Cell Cycle Regulation. *Anticancer Res*, 22:1-11.

Maaly, B., & Madeeha, A. (2015). Tobacco Consumption and Oral, Pharyngeal and Lung Cancers. *The Open Cancer Journal*, 8:1-11.

Mochammad Hatta, E. E. (2017). *Expression of mRNA IL-17F and sIL-17F in atopic asthma patients.* BMC Research Notes.

Monuki, E., Kuhn, R., Weinmaster, G., Trapp, B., & Lemke, G. (1990). Expression and activity of the POU transcription factor SCIP. *Science*, 249(4974):1300-3.

Moon-Taek, P., & Su-Jae, L. (2003). Cell Cycle and Cancer. *Journal of Biochemistry and Molecular Biology*, 60-65.

Murdiyo, M. D., Sunihapsari, C., & Rahaju, P. (2013). Hubungan mutasi gen ras dan p53 pada penderita karsinoma nasofaring dengan riwayat merokok. *ORLI Vol.43 No.1* , 26-37.

Mu-Sheng, Z., & Yi-Xin, Z. (2010). *Pathogenesis and Etiology of Nasopharyneal Carcinoma* (1st ed.). German: Springer.

Nandi, S. a. (2020). YY1 control of mitochondrial-related genes does not account for regulation of immunoglobulin class switch recombination in mice. *European Journal of Immunology*, 822-838.

Nicholas R. Galloway, F. L. (2014 February 28). *Yin Yang 1 regulates the transcriptional repression of surviving. Biochem Biophys Res Commun.*

Ondrey, F., & SK, S. W. (2003). Neoplasms of the Nasopharynx. In Ballenger's, *Otorhinolaryngology Head and Neck Surgery* (pp. 1407-22).

Park, K., & Atchison, M. (1991). Isolation of a candidate repressor/activator, NF-E1 (YY-1, delta), that binds to the immunoglobulin kappa 3' enhancer and the immunoglobulin heavy-chain mu E1 site. *11. Park K, Atchison ML. Isolation of a candidate repressor/activator, NF-E1 (YY-1, delta), that binds to the immunoglobulin kappa 3' enhancer and the i Proceedings of the National Academy of Sciences of the United State*, (pp. 9804-8).

Pisaneschi, G., Ceccotti, S., Falchetti, M., Fiumicino, S., Carnevali, F., & Beccari, E. (1994). Characterization of FIII/YY1, a Xenopus laevis conserved zinc-finger protein binding to the first exon of L1 and L14 ribosomal protein genes. *Biochemical and biophysical research communications*, 205(2):1236-46.

Qicai, L., & Xiaoying, G. (2015). Limb-bud and Heart (LBH) Functions as a Tumor Suppressor of Nasopharyngeal Carcinoma by Inducing G1/S Cell Cycle Arrest. *Scientific Reports*, 5:7626.

Raben, M., Wallach, N., Gallili, U., & Schlesinger, M. (1976). The effects of radiation therapy on lymphocyce subpopulation in cancer patients. *Cancer*, 1417-1421.

Ramnik, S. (2003). *Haematology for students & practitioners.* New Delhi: Jaypee Brothers.

Sharma, T., Singh, Laishram, Sharma, C., Sunita, & Imchen, T. (n.d.). Nasopharyngeal Carcinoma - a Clinico-pathological Study in a Regional Cancer Centre of Northeastern India. *Asian Pacifi c J Cancer*.

Shi, Y., Lee, J., & Galvin, K. (1997). Everything you have ever wanted to know about Yin Yang 1. *Biochimia et Biophysica acta*, f49-66.

Shi, Y., Seto, E., Chang, L. S., & Shenk, T. (1991). Transcriptional repression by YY1, a human GLI-Krüppel-related protein, and relief of repression by adenovirus E1A protein. *Journal Virology Cell*, 377-388.

Shri, J. (2003). *Epidemiological and Etiological Factors Associated with Nasopharyngeal Carcinoma.* New Delhi: ICMR Off set Press.

Shumaila, S., & C.W, J. T. (2014). NAsopharyngeal Carcinoma: Current treatment options and future directions. *Journa of Nasopharyngeal Carcinoma, 1*(16).

Stephen, H. (1999). Tobacco Smoke Carcinogens and Lung Cancer. *Journal of the National Cancer Institute*, 91(14):1194-1210.

Summerer, I. a. (2015). Integrative analysis of the microRNA-mRNA response to radiochemotherapy in primary head and neck squamous cell carcinoma cells. *BMC genomics*, 654.

Tomomi Yajima, A. Y. (1998.). *Quantitative reverse transcription-PCR assay of the RNA component of human telomerase using the TaqMan fluorogenic detection system. Clinical Chemistry 44:12. 2441–2445 .*

Travis, E. (1985). *Cellular and systemic respon to radiation. In: Primer of Medical Radiobiology.* Chicago: 23-35.

Van, H., & Ng, H. K. (1991). Papillary adenocarcinoma of the nasopharynx. *Journal of Laryngology and Otology*, 853-4.

Vineis, M, A., P, B. e., E, F., S, F., & YT, G. (2004). Tobacco and Cancer: Recent Epidemiological Evidence. *J Nat Cancer Inst*, 99-104.

Vogelstein, B. a. (2000). Surfing the p53 network. *Nature*, 307-10.

Wibisono, J. J. (2020). YinYang 1 (YY1) and P53 Gene Expression Analysis in Cervical Cancer and Its Relationship with Cancer Staging. *Biomedical and Pharmacology Journal*, 13.3.

Wolff, H., Rodel, R., Gunawan, B., Overbeck, T., Herrmann, M., & Hennies, S. (2010). Nasopharyngeal carcinoma in adults: treatment results after long-term follow-up with special reference to adjuvant interferon-beta in undifferentiated carcinomas. *J Cancer Res Clinical Oncology*, 136:89-97.

Xiuchan, G., Winkler, A. C., Li, J., & al, e. (2014). Evaluation and Integration of Genetic Signature for Prediction Risk of Nasopharyngeal Carcinoma in Southern China. *BioMed Research International*.

Yang, X., Diehl, Pfeiff, Chen, Hsu, & Dosemeci. (2005). Evaluation of Risk Factors for Nasopharyngeal Carcinoma in High-Risk Nasopharyngeal Carcinoma Families in Taiwan. *Cancer Epidemiol Biomarkers*, 900-5.

Yi, J., Gao, L., Huang, X., Li, S., Luo, J., & Cai, W. (2006). Nasopharyngeal carcinoma treated by radical radiotherapy alone: ten-year experience of a single institution. *Int. J. Radiation Oncology Biol. Phys.* , 161-68.

Yi, J., Gao, L., Huang, X., Li, S., Luo, J., & Cai, W. (2006). Nasopharyngeal carcinoma treated by radical radiotherapy alone: ten-year experience of a single institution. *Int. J. Radiation Oncology Biol. Phys*, 161-68.

Zaravinos, A., & Spandidos, D. (2010). Yin yang 1 expression in human tumors. *Cell cycle*, 512-22.

Lampiran

Data sample

1	28	lelaki	0	0	who3	T4N2aM0	4	13143	5838
2	27	wanita	0	0	who3	T2N2bM0	3	10824	10256
3	57	wanita	0	0	who3	T2N2bM0	3	11922	8464
4	46	wanita	0	0	who3	T2N2M0	3	9269	9338
5	38	lelaki	0	0	who3	T4N2aM0	4	14809	7634
6	37	lelaki	0	0	who3	T2N2bM0	3	10108	9660
7	44	lelaki	0	0	who3	T3N2aM0	3	14440	5166
8	55	wanita	0	0	who3	T3N2aM0	3	13808	5560
9	46	lelaki	0	0	who3	T3N2AM0	3	12321	6726
10	47	wanita	0	0	who3	T2N1M0	2	11534	8742
11	53	wanita	0	0	who3	T2N1M0	2	11386	9478
12	37	lelaki	3 cisplatin	33	who3	T0N0M0	1	8817	13556
13	59	lelaki	2 cisplatin	33	who3	T0N0M0	1	8523	13795
14	52	wanita	0	0	who3	T2N1M0	2	10445	9844
15	64	wanita	0	0	who3	T2N1M0	2	10330	10492
16	46	lelaki	0	0	who3	T2N1M0	2	9649	9257
17	42	lelaki	0	0	who3	T2N1M0	2	11268	8950
18	53	lelaki	0	0	who3	T2N1M0	2	11710	8105
19	46	lelaki	2 cisplatin	20	who3	T1N0M0	1	6389	11421
20	37	lelaki	0	0	who3	T2N1M0	2	11044	8303