

**KARAKTERISTIK DAN GAMBARAN UKURAN PROSTAT
BERDASARKAN HASIL ULTRASONOGRAFI PASIEN *BENIGN
PROSTATIC HYPERPLASIA* DENGAN *OPEN PROSTATECTOMY*
DI RSUD DR. H. CHASAN BOESOIRIE TAHUN 2018-2020**

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ABSTRAK

Latar belakang: *Benign Prostatic Hyperplasia* (BPH) merupakan salah satu tumor jinak tersering pria yang kerap menyebabkan gejala saluran kemih bawah pada usia lanjut. *Open prostatectomy* efektif dalam tatalaksana penderita BPH yang mengalami gejala saluran kemih bawah derajat sedang-berat. Hingga kini, belum ada penelitian terkait karakteristik dan gambaran ukuran prostat pada penderita BPH di Maluku Utara. **Tujuan:** Mengetahui karakteristik dan gambaran ukuran prostat pada penderita BPH yang menjalani *open prostatectomy* di RSUD Dr. H. Chasan Boesoirie Ternate Maluku Utara. **Metode:** Penelitian deskriptif retrospektif *cross-sectional* ini dilaksanakan pada penderita BPH yang menjalani *open prostatectomy* di RSUD Dr. H. Chasan Boesoirie pada tahun 2018-2020. Volume prostat diukur melalui ultrasonografi pra-operasi. **Hasil:** Dari 32 penderita, sebanyak 56,6% memenuhi kriteria inklusi. Dari populasi studi, 38,9% berusia 65-74 tahun, 55,6% berpendidikan Sekolah Dasar, 44,4% bekerja sebagai petani, 77,8% tidak menderita komorbiditas, dan 44,4% memiliki volume prostat 61-80 mL. Seluruh pasien menderita gejala saluran kemih bawah, retensi urine akut, dan menjalani *open prostatectomy* suprapubik. **Simpulan:** Usia 65-74 tahun, pendidikan terakhir Sekolah Dasar, petani, ketiadaan komorbiditas, volume 61-80 mL, gejala saluran kemih bawah dan retensi urine akut merupakan karakteristik sebagian besar penderita BPH di RSUD Dr. H. Chasan Boesoirie Ternate Maluku Utara.

Kata Kunci: *benign prostatic hyperplasia, open prostatectomy, volume prostat*

**CHARACTERISTICS AND ULTRASONOGRAPHY-BASED PROSTATE
SIZE OF BENIGN PROSTATIC HYPERPLASIA PATIENTS MANAGED
WITH OPEN PROSTATECTOMY AT DR. H. CHASAN BOESOIRIE GENERAL
HOSPITAL IN 2018-2020**

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ABSTRACT

Background: Benign prostatic hyperplasia (BPH) is one of the most common benign tumors in male that often produces lower urinary tract symptoms in the elderly. Open prostatectomy is effective in the control of BPH patients who have moderate to severe lower urinary tract symptoms. Thus far, researches related to the characteristics and description of prostate size of BPH patients in North Maluku is still lacking. **Objective:** To determine the characteristics and description of prostate size on BPH patients who underwent open prostatectomy at Dr. H. Chasan Boesoirie General Hospital Ternate, North Maluku. **Methods:** This cross-sectional retrospective descriptive research was conducted on all BPH patients who underwent open prostatectomy at Dr. H. Chasan Boesoirie General Hospital in 2018-2020. Prostate volume was measured by preoperative ultrasonography. **Results:** From 32 patients, 56.6% were included in the study. Of this, 38.9% were 65-74 years of age, 55.6% were only primary school graduates, 44.4% were farmers, 77.8% did not have any comorbidities, and 44.4% displayed prostate volume of 61-80 mL. All patients complained of lower urinary tract symptoms, acute urinary retention, and underwent suprapubic open prostatectomy. **Conclusion:** Age 65-74 years old, highest education level of primary school, working as farmer, absence of comorbidities, prostate volume of 51-80 mL, lower urinary tract symptoms and acute urinary retention were the characteristics of BPH patients managed at Dr. H. Chasan Boesoirie General Hospital Ternate, North Maluku.

Keywords: benign prostatic hyperplasia, open prostatectomy, prostate volume